

FERNANDO SANNIBALE
LIST OF PUBLICATIONS AND SELECTED PRESENTATIONS
(October 2023)

Summary of publications

40	papers in peer reviewed journals	pag. 1
2	proceedings editor, book contributions	pag. 4
18	papers in other journals	pag. 5
180	papers in conference proceedings	pag. 6
24	selected technical notes	pag. 25
50	selected presentations (invited, seminars, etc.)	pag. 26

R) Publications on Peer Reviewed Journals (in reverse chronological order).

- [R40] F. Sannibale,
High-Brightness Electron Injectors for High-Duty Cycle X-Ray Free Electron Lasers.
Front. Phys. **11**, 1187346 (2023). Doi: 10.3389/fphy.2023.1187346 (2023).
- [R39] F. Zhou, C. Adolphsen, A. Benwell, G. Brown, D. Dowell, M. Dunning, S. Gilevich, K. Grouev, G. Huang, B. Jacobson, X. H. Liu, A. Miahnahri, F. Sannibale, J. Schmerge, and T. Vecchione,
Commissioning of the SLAC Linac Coherent Light Source II electron source,
Phys. Rev. Accelerators and Beams **24**, 073401 (2021)
- [R38] P.-W. Huang, H. Qian, Y. Chen, D. Filippetto, M. Gross, I. Isaev, C. Koschitzki, M. Krasilnikov, S. Lal, X. Li, O. Lishilin, D. Melkumyan, R. Niemczyk, A. Oppelt, F. Sannibale, H. Shaker, G. Shu, F. Stephan, C. Tang, G. Vashchenko, W. Wan.
Single shot cathode transverse momentum imaging in high brightness photoinjectors.
Physical Review Accelerators and Beams **23**, 043401 (2020).
- [R37] T. Luo, H. Feng, D. Filippetto, M. Johnson, A. Lambert, D. Li, C. Mitchell, F. Sannibale, J. Staples, S. Virostek, R. Wells.
RF design of APEX2 two-cell continuous-wave normal conducting photoelectron gun cavity based on multi-objective genetic algorithm.
Nuclear Instruments & Methods in Physics Research A **940**, 12 (2019).
- [R36] F. Sannibale, D. Filippetto, H. Qian, C. Mitchell, F. Zhou, T. Vecchione, R. K. Li, S. Gierman, J. Schmerge.
High-brightness beam tests of the Very High Frequency Gun at the Advanced Photo-injector Experiment test facility at the Lawrence Berkeley National Laboratory.
Review of Scientific Instruments **90**, 033304 (2019).
- [R35] T. Hellert, J.-Y. Jung, S. C. Leemann, H. Nishimura, D. Robin, F. Sannibale, C. Steier, C. Sun, C. A. Swenson and M. Venturini.
Simulation of trajectory correction in early commissioning of the Advanced Light Source upgrade.
J. Phys.: Conf. Ser. **1067** 032001 (2018)
- [R34] F. Sannibale, D. Filippetto, M. Johnson, D. Li, T. Luo, C. Mitchell, J. Staples, S. Virostek, R. Wells, and J. M. Byrd.
Upgrade possibilities for continuous wave RF electron guns based on room-temperature VHF technology.
Physical Review Accelerators and Beams **20**, 113402 (2017).

- [R33] Z. Ding, S. Karkare, J. Feng, D. Filippetto, M. Johnson, S. Virostek, [F. Sannibale](#), J. Nasiatka, M. Gaowei, J. Sinsheimer, E. Muller, J. Smedley, H. Padmore.
Temperature-dependent quantum efficiency degradation of K-Cs-Sb alkali antimonide photocathodes grown by a triple-element codeposition method.
Physical Review Accelerators and Beams **20**, 113401 (2017).
- [R32] R. Huang, C. Mitchell, C. Papadopoulos, H. Qian, M. Venturini, J. Qiang, D. Filippetto, J. Staples, Q. Jia, and [F. Sannibale](#).
Off-axis Beam Dynamics in RF-Gun-based Electron Photoinjectors.
Physical Review Accelerators and Beams **19**, 113401 (2016).
- [R31] R-X Huang, C. Mitchell, Q-K Jia, C. Papadopoulos, [F. Sannibale](#).
Simulation Study on the Emittance Compensation of Off-axis Emitted Beam in RF Photoinjector.
Chinese Physics C, **40**, 117004 (2016).
- [R30] R. P. Wells, W. Ghiorso, J. Staples, T. M. Huang, [F. Sannibale](#), and T. D. Kramasz.
Mechanical design and fabrication of the VHF-Gun, the Berkeley normal-conducting continuous-wave high-brightness electron source.
Review of Scientific Instruments, **87**, 023302 (2016).
- [R29] D. Filippetto, H. Qian, [F. Sannibale](#).
Cesium Telluride Cathodes for the next generation of high-average current high-brightness photoinjectors.
Applied Physics Letters **107**, 042104 (2015).
- [R28] R. Huang, D. Filippetto, C. F. Papadopoulos, H. Qian, [F. Sannibale](#), and M. Zolotarev.
Dark current studies on a normal-conducting high-brightness VHF electron gun operating in continuous wave mode.
Physical Review Special Topics – Accelerators and Beams **18**, 013401 (2015).
- [R27] J. Qiang, J. Corlett, C. E. Mitchell, C. F. Papadopoulos, G. Penn, M. Placidi, M. Reinsch, R. D. Ryne, [F. Sannibale](#), C. Sun, M. Venturini, P. Emma, S. Reiche.
Start-to-End Simulation of X-Ray Radiation of a Next Generation Light Source Using the Real Number of Electrons.
Physical Review Special Topics – Accelerators and Beams **17**, 030701 (2014).
- [R26] [F. Sannibale](#),
High-brightness high-duty cycle electron injectors.
Nuclear Instruments & Methods in Physics Research A **740**, 10 (2014)
- [R25] M. Ferrario, ..., [F. Sannibale](#), ..., F. Zomer.
IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers.
Nuclear Instruments & Methods in Physics Research A **740**, 138 (2014).
- [R24] [F. Sannibale](#), D. Filippetto, C. F. Papadopoulos, J. Staples, R. Wells, B. Bailey, K. Baptiste, J. Corlett, C. Cork, S. De Santis, S. Dimaggio, L. Doolittle, J. Doyle, J. Feng, D. Garcia Quintas, G. Huang, H. Huang, T. Kramasz, S. Kwiatkowski, R. Lellinger, V. Moroz, W. E. Norum, H. Padmore, C. Pappas, G. Portmann, T. Vecchione, M. Vinco, M. Zolotarev, and F. Zucca.
Advanced photoinjector experiment photogun commissioning results.
Physical Review Special Topics – Accelerators and Beams **15**, 103501 (2012).
- [R23] M. Yoon, D. Filippetto, C. F. Papadopoulos, C. Pellegrini, G. Penn, S. Prestemon, [F. Sannibale](#).
The BTFEL, an infrared free-electron laser amplifier based on a new-design short-period superconducting tape undulator.
Nuclear Instruments & Methods in Physics Research A **660**, 138 (2011).

- [R22] F. Sannibale, D. Filippetto, C. F. Papadopoulos.
Schemes and challenges for electron injectors operating in high repetition rate X-ray FELs.
Journal of Modern Optics **58**, 1419 (2011).
- [R21] C. Steier, A. Madur, H. Nishimura, D. Robin, F. Sannibale, C. Sun, W. Wan, L. Yang.
Lattice and emittance optimization techniques and the ALS brightness upgrade.
Nuclear Instruments & Methods in Physics Research A **649**, 25 (2011).
- [R20] W.Barletta, J. Bisognano, J.Corlett, P. Emma, Z. Huang, K.-J. Kim, R. Lindberg, J. Murphy, G. Neil, D. Nguyen, C. Pellegrini, R.A. Rimmer, F. Sannibale, G. Stupakov, R. Walker, A. Zholents.
Free electron lasers: Present status and future challenges
Nuclear Instruments & Methods in Physics Research A **618**, 69 (2010).
- [R19] Lingyun Yang, David Robin, Fernando Sannibale, Christoph Steier, and Weishi Wan.
Global optimization of an accelerator lattice using multiobjective genetic algorithms
Nuclear Instruments & Methods in Physics Research A **609**, 50 (2009).
- [R18] H. Nishimura, B. Bailey, K. Baptiste, W. Barry, W. Byrne, P. Casey, M. Chin, R. Donahue, R. Duarte, A. Gavidia, J.-Y. Jung, M. Kitcher, P. McKean, R. Mueller, G. Portmann, D. Rodgers, D. Robin, F. Sannibale, T. Scarvie, A. Smith-Baumann, C. Steier, M. Vinco, T. Warwick, W. Wan, J. Weber, R. P. Wells.
Advanced Light Source's Approach to Ensure Conditions for Safe Top-off Operation,
Nuclear Instruments & Methods in Physics Research A **608**, 2 (2009).
- [R17] F.Sannibale, G. Stupakov, M. Zolotarev, D. Filippetto, L. Jagerhofer.
Absolute bunch length measurements by incoherent radiation fluctuation analysis.
Physical Review Special Topics – Accelerators and Beams **12**, 032801 (2009). LBNL-1638E.
- [R16] J. Weber, M. Chin, F. Sannibale, W. Barry.
FPGA-Based "Bunch Cleaning" System at the Advanced Light Source.
Nuclear Instruments & Methods in Physics Research A **600**, 376 (2009).
- [R15] K. Baptiste, J. Corlett, S. Kwiatkowski, S. Lidia, J. Qiang, F. Sannibale, K. Sonnad, J. Staples, S. Virostek, R. Wells.
A CW normal-conductive RF gun for free electron laser and energy recovery linac applications.
Nuclear Instruments & Methods in Physics Research A **599**, 9 (2009). LBNL-1708E
- [R14] Fernando Sannibale, Augusto Marcelli and Plinio Innocenzi.
IKNO, a user facility for coherent terahertz and UV synchrotron radiation.
Journal of Synchrotron Radiation **15**, 655 (2008). LBNL-1637E.
- [R13] David S Robin, Weishi Wan, Fernando Sannibale, Victor P. Suller.
Global analysis of all linear stable settings of a storage ring lattice.
Physical Review Special Topics – Accelerators and Beams **11**, 024002 (2008).
- [R12] M.S. Zolotarev, E. D. Commins, F.Sannibale.
Proposal for a Quantum-degenerate Electron Source.
Physical Review Letters **98**, 184801 (2007). LBNL-60067.
Also selected for the June 2007 issue of Virtual Journal of Ultrafast Science of APS.
- [R11] M.S. Zolotarev, E. D. Commins, Heifets S., F.Sannibale.
Proposal for a High-Brightness Pulsed Electron Source.
International Journal of Modern Physics **22**, 4006 (2007).
- [R10] J. Byrd, Z. Hao, M. Martin, D. Robin, F. Sannibale, R.Schoenlein, A. Zholents, M. S. Zolotarev.
Laser Seeding of the Storage-Ring Microbunching Instability for High-Power Coherent Terahertz Radiation
Physical Review Letters **97**, 074802 (2006). LBNL-60002.

- [R9] J. Byrd, Z. Hao, M. Martin, D. S. Robin, F. Sannibale, R. Schoenlein, A. Zholents, M. Zolotarev. *Tailored terahertz pulses from a laser-modulated electron beam* Physical Review Letters **96**, 164801 (2006). LBNL-58991.
- [R8] F. Wang, D. Cheever, M. Farkhondeh, W. Franklin, E. Ihloff, J. van der Laan, B. McAllister, R. Milner, C. Tschalaer, D. Wang, A. Zolfaghari, T. Zwart, G.L. Carr, B. Podobedov, F. Sannibale. *Coherent THz Radiation from a Storage Ring with High-Frequency RF Frequency* Physical Review Letters **96**, 064801 (2006).
- [R7] F. Sannibale, M. Abo-Bakr, J. M. Byrd, J. Feikes, K. Holldack, H.-W. Hubers, P. Kuske, A. Loftsdottir, M. Venturini, R. Warnock, G. Wustefeld. *A Model Describing Stable Coherent Synchrotron Radiation in Storage Rings*. Physical Review Letters, Volume **93**, Issue 9, 94801, 27 August 2004. Also selected for publication on the 'Virtual Journal of Ultrafast Science', September 2004, Volume 3, Issue 99. Also, LBNL/PUB-890 and SLAC-PUB 10827.
- [R6] J. M. Byrd, M. C. Martin, W. R. McKinney, D. V. Munson, H. Nishimura, D. S. Robin, F. Sannibale, R.D. Schlueter, W. G. Thur, J. Y. Jung, and W. Wan. *CIRCE: A Dedicated Storage Ring for Coherent THz Synchrotron Radiation*. Infrared Physics & Technology **45** (2004) 325-330. LBNL-53699
- [R5] G. Mazzitelli, A. Ghigo, F. Sannibale, P. Valente, G. Vignola. *Commissioning of the DAΦNE Beam Test Facility*. Nuclear Instruments & Methods in Physics Research A **515** (2003) 524-542.
- [R4] J. M. Byrd, W.P. Leemans, A. Loftsdottir, B. Marcellis, M. C. Martin, W. R. McKinney, F. Sannibale, T. Scarvie, C. Steier. *Observation of Broadband Self-Amplified Spontaneous Coherent Terahertz Synchrotron Radiation in a Storage Ring*. Physical Review Letters Volume **89**, Issue 22, 224801, 25 November 2002. And Virtual Journal of Ultrafast Science, Volume 1, Issue 6, November 2002. LBNL-50459.
- [R3] G. Mazzitelli, F. Sannibale, F. Cervelli, T. Lomtadze, M. Serio, A. Stella, G. Vignola. *Single Bremsstrahlung luminosity measurements at DAΦNE*. Nuclear Instruments & Methods in Physics Research A **486** (2002) 568-589.
- [R2] R. Boni, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, M. Migliorati, F. Sannibale, M. Serio, A. Stella, G. Vignola, M. Zobov. *DAΦNE Accumulator ring coupling impedance measurements*. Nuclear Instruments & Methods in Physics Research A **418** (1998) 241-248.
- [R1] A. Vignati, F. Sannibale. *A pepper-pot emittance meter for low energy and high current electron beams*. Nuclear Instruments & Methods in Physics Research B **66** (1992) 503-507.

B) Books, Proceedings, etc. (in reverse chronological order).

- [B2] F. Sannibale, Section 7.1.1.5 of the 3rd edition of the Handbook of Accelerator Physics and Engineering. Publisher: World Scientific Publishing Company, Section title: *Normal Conducting Photo rf Guns*. Published on: February 2nd, 2023 ISBN: 9789811270154, ISBN-10: 9811270155.
- [B1] F. Sannibale (also workshop chair), J. Chew, Editors of the Proceedings of the 13th Beam Instrumentation Workshop (BIW08), Tahoe City, California, USA, 4-8 May 2008.

V) Publications on Other Journals (in reverse chronological order).

- [M18] F. Sannibale.
Section 3.1 of DOE *Report of the Basic Energy Sciences Workshop on the Future of Electron Sources*.
SLAC National Accelerator Laboratory, 2575 Sand Hill Road, Menlo Park, CA 94025, September
8-9, 2016. Available at:
https://science.energy.gov/~media/bes/pdf/reports/2017/Future_Electron_Source_Worskhop_Report.pdf
- [M17] J. Corlett, K. Baptiste, J. M. Byrd, P. Denes, R. Falcone, J. Kirz, W. McCurdy, H. Padmore, G.
Penn, J. Qiang, D. Robin, F. Sannibale, R. Schoenlein, J. Staples, C. Steier, M. Venturini, W.
Wan, R. Wells, R. Wilcox, A. Zholents.
Design Studies for a VUV-Soft X-ray Free-Electron Laser Array.
Synchrotron Radiation News **22**, No. 5, 25 (2009).
- [M16] U. Bergmann, J. Corlett, S. Dierker, R. Falcone, J. Galayda, M. Gibson, Jerry Hastings, Bob
Hettel, John Hill, Zahid Hussain, Chi-Chang Kao, Janos Kirz, Gabrielle Long, Bill McCurdy, Tor
Raubenheimer, Fernando Sannibale, John Seeman, Z.-X. Shen, Gopal Shenoy, Bob Schoenlein,
Qun Shen, Brian Stephenson, Joachim Stöhr, and Alexander Zholents.
Science and Technology of Future Light Sources
A White Paper. LBNL 1090e-2009 (2009).
- [M15] Fernando Sannibale.
2008 Beam Instrumentation Workshop.
Synchrotron Radiation News **21**, No. 6, 14 (2008).
- [M14] R. Falcone, J. Stöhr, U. Bergmann, J. Corlett, J. Galayda, J. Hastings, R. Hettel, Z. Hussain, J. Kirz,
B. McCurdy, T. Raubenheimer, F. Sannibale, J. Seeman, Z.-X. Shen, R. Schoenlein, A. Zholents.
Scientific Needs for Future X-Ray Sources in the U.S. - A White Paper.
SLAC-R- 910, LBNL-190E, October (2008).
- [M13] F. Sannibale, J. Staples, K. Baptiste, J. Corlett, S. Kwiatkowski, S. Lidia, J. Qiang, K. Sonnad, S.
Virostek, R. Wells.
Low-Frequency, High-Repetition Rate Photoinjectors for FEL and ERL Applications.
ICFA Beam Dynamics Newsletter No. **46**, 86 (2008).
- [M12] A. Belkacem, J.M. Byrd, J. Corlett, W. Fawley, J. Kirz, S. Lidia, W. McCurdy, H. Padmore, G.
Penn, I. Pogorelov, J. Qiang, D. Robin, F. Sannibale, R. Schoenlein, J. Staples, C. Steier, M.
Venturini, W. Wan, R. Wilcox, A. Zholents..
Design Studies for a High-Repetition-Rate FEL Facility at LBNL.
Synchrotron Radiation News **20**, No. 6, 20 (2007).
- [M11] J. Corlett, W. Fawley, S. Lidia, H. Padmore, G. Penn, I. Pogorelov, J. Qiang, F. Sannibale, J.
Staples, C. Steier, M. Venturini, W. Wan, R. Wilcox, A. Zholents.
FEL Design Studies at LBNL: Activities and Plans.
ICFA Beam Dynamics Newsletter **42**, 51 (2007).
- [M10] J. M. Byrd, M. C. Martin, F. Sannibale.
Berkeley Plans CIRCE to fill the terahertz gap
CERN Courier, volume **45**, number 7, page 39, September 2005.
- [M9] D. Alesini, G. Benedetti, M. Biagini, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache,
G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, S. Guiducci, M. Incurvati, C. Ligi, F. Marcellini, G.
Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, P. Raimondi, R. Ricci, C. Sanelli, M. Serio,
F. Sgamma, B. Spataro, A. Stecchi, A. Stilla, C. Vaccarezza, M. Vescovi, M. Zobov, C. Pagani,
E. Levichev, P. Piminov, D. Shatilov, J. Byrd, F. Sannibale, J. Fox, D. Teytelmann.
Proposal of a bunch length modulation experiment in DAFNE.
INFN-LNF Note LNF-05/04 (IR), February 22, 2005.

- [M8] F. Sannibale, J. M. Byrd, A. Loftsdottir, M. Venturini, M. Abo-Bakr, J. Feikes, K. Holldack, P. Kuske, G. Wustefeld, H.-W. Hubers, R. Warnock.
Stable CSR in Storage Rings: a Model.
ICFA Beam Dynamics Newsletter No. **35**, 27 (2004)
Also LBNL 56777 and SLAC-PUB 11013.
- [M7] J. Byrd, S.De Santis, Z.Hao, M.Martin, D.Munson, D.Li, H.Nishimura, D.S. Robin, F. Sannibale, R.Schlueter, R. Schoenlein, J.Y.Jung, M.Venturini, W. Wan, A. Zholents, M. Zolotarev
Optimizing ring-based CSR sources
ICFA Beam Dynamics Newsletter No. **35**, 70 (2004)
- [M6] C. Biscari, M. Castellano, A. Gallo, A. Ghigo, A. Marcelli, F. Marcellini, G. Mazzitelli, C. Milardi, M.A. Preger, P. Raimondi, M. Serio, M. Zobov, J. Byrd, F. Sannibale, P. Morini D. Sali.
Terahertz Coherent Synchrotron Radiation at DAFNE
ICFA Beam Dynamics Newsletter No. **35**, 107 (2004)
- [M5] W.C. Barry, W. A. Barletta, J.M. Byrd, J. N. Corlett, S. De Santis, L. Doolittle, W. M. Fawley, M. A Green, N. Hartmann, P. Heimann, D. Kairan, E. Kujawski, S. Leone, S. Lidia, P. Luft, R. McClure, H. Padmore, F. Parmigiani, Y. Petroff, W. Pirkl, M. Placidi, D. Reavill, I. Reichel, R. Rimmer, A. Ratti, D.S. Robin, K. Robinson, F. Sannibale, R. Schoenlein, J. Staples, J. Tanabe, D. Truchlikova, W. Wan, S. Wang, R. Wells, A. Wolski, A. Zholents, M. Zisman.
Feasibility study for a recirculating linac-based facility for femtosecond dynamics.
Lawrence Berkeley National Laboratory Note LBNL-51766. Berkeley, December, 2002.
- [M4] CTF3 Collaboration (including F. Sannibale)
CTF3 Design Report.
CERN/PS 2002-008 (RF), Geneva, Switzerland, May 24, 2002
CTF3 Note 2002-047, Geneva, Switzerland, May 24, 2002.
LNF-02/008 (IR), Frascati, Italy, May 24, 2002
- [M3] C. Milardi, D. Alesini, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola, M. Zobov.
Status of DAΦNE.
Physics and Detectors for DAΦNE, November 16-19, 1999, Frascati Italy. Frascati Physics Series Vol. XVI, pp. 75-84.
- [M2] C. Biscari, A. Ghigo, M. Migliorati, L. Palumbo, F. Sannibale, F. Sgamma, M. Zobov.
Status of DAFNE Project and beam dynamics activities at LNF.
Beam Dynamics Newsletter (ICFA) N.12 December 1996, 16-20.
- [M1] F. Sannibale (Laurea Thesis), relatori G.V. Pallottino, A. Vignati.
Progetto, realizzazione ed uso di un misuratore di emittanza, di tipo "pepper-pot", per fasci di elettroni generati da cannoni a bassa energia ed alta perveanza.
Universita' degli Studi di Roma "La Sapienza" Facolta' di Scienze Matematiche, Fisiche e Naturali. Corso di Laurea in Fisica, Anno Accademico 89/90. 28 febbraio 1991.

C) Publications on Conference Proceedings (in reverse chronological order).

- [C180] F. Zhou, C. Adolphsen, A.L. Benwell, G.W. Brown, D. Dowell, M.P. Dunning, S. Gilevich, K. Grouev, B.T. Jacobson, X. Liu, A. Miahnahri, J.F. Schmerge, T. Vecchione, G. Huang, F. Sannibale.
Commissioning results of LCLS-II MHz repetition rate electron source
2021 International Particle Accelerator Conference, Campinas, SP, Brazil, May 2021

- [C179] S.C. Leemann, Ph. Amstutz, M.P. Ehrlichman, T. Hellert, A. Hexemer, S. Liu, M. Marcus, C.N. Melton, H. Nishimura, G. Penn, F. Sannibale, D.A. Shapiro, C. Sun, D. Ushizima, M. Venturini.
First Attempts at Applying Machine Learning to ALS Storage Ring Stabilization.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C178] F. Sannibale, M.P. Ehrlichman, T. Hellert, S.C. Leemann, D. Robin, C. Steier, C. Sun, M. Venturini.
Compensation of Insertion Device Induced Emittance Variations in Ultralow Emittance Storage Rings by a Dispersion Bump in a Wiggler.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C177] S.C. Leemann, F. Sannibale, M. Aiba, A. Streun, J. Bengtsson, L.O. Dallin.
Progress on a Novel 7BA Lattice for a 196-m Circumference Diffraction-Limited Soft X-Ray Storage Ring.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C176] C. Steier, Ph. Amstutz, K.M. Baptiste, P.A. Bong, E.S. Buice, P.W. Casey, K. Chow, S. De Santis, R.J. Donahue, M.P. Ehrlichman, J.P. Harkins, T. Hellert, M.J. Johnson, J.-Y. Jung, S.C. Leemann, R.M. Leftwich-Vann, D. Leitner, T.H. Luo, O. Omolayo, J.R. Osborn, G. Penn, G.J. Portmann, D. Robin, F. Sannibale, C. Sun, C.A. Swenson, M. Venturini, S.P. Virostek, W. Waldron, E. Wallén.
Design Progress of ALS-U, the Soft X-ray Diffraction Limited Upgrade of the Advanced Light Source.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C175] D. Li, H.Q. Feng, D. Filippetto, M.J. Johnson, A.R. Lambert, T.H. Luo, C.E. Mitchell, J. Qiang, F. Sannibale, J.W. Staples, S.P. Virostek, R.P. Wells.
Recent Progress on the Design of Normal Conducting APEX-II VHF CW Electron Gun.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C174] P.W. Huang, Y. Chen, J.D. Good, M. Groß, I.I. Isaev, C. Koschitzki, M. Krasilnikov, S. Lal, X. Li, O. Lishilin, D. Melkumyan, R. Niemczyk, A. Oppelt, H.J. Qian, H. Shaker, F. Stephan, G. Vashchenko, D. Filippetto, F. Sannibale, C.-X. Tang, W. Wan.
Single Shot Cathode Transverse Momentum Imaging in Photoinjectors.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C173] T.H. Luo, H.Q. Feng, D. Filippetto, M.J. Johnson, A.R. Lambert, D. Li, C.E. Mitchell, F. Sannibale, J.W. Staples, S.P. Virostek, R.P. Wells, H.Q. Feng.
RF Design of APEX2 Cavities.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C172] C.E. Mitchell, H.Q. Feng, D. Filippetto, M.J. Johnson, A.R. Lambert, D. Li, T.H. Luo, F. Sannibale, J.W. Staples, S.P. Virostek, R.P. Wells.
Beam Dynamics Studies of an APEX2-Based Photoinjector.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C171] F. Zhou, C. Adolphsen, A.L. Benwell, G.W. Brown, W.S. Colocho, Y. Ding, M.P. Dunning, K. Grouev, B.T. Jacobson, X. Liu, T.J. Maxwell, J.F. Schmerge, T.J. Smith, T. Vecchione, F.Y. Wang, C.M. Zimmer, G. Huang, F. Sannibale.
First Commissioning of LCLS-II CW Injector Source.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C170] C. Sun, S. De Santis, D. Filippetto, F. Sannibale, C. Steier.
Feasibility Study of Beam Profile Measurements Using Interferometer and Diffractometer Techniques for ALS-U.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.

- [C169] A.R. Lambert, H.Q. Feng, D. Filippetto, M.J. Johnson, D. Li, T.H. Luo, C.E. Mitchell, F. Sannibale, J.W. Staples, S.P. Virostek, R.P. Wells.
Mechanical Design and Analysis of the Proposed APEX2 VHF CW Electron Gun.
2019 International Particle Accelerator Conference, Melbourne, VIC, Australia, May 2019.
- [C168] F. Sannibale, S.C. Leemann, H. Nishimura, D. Robin, C. Steier, C. Sun, M. Venturini.
Compensation of Insertion Device Induced Emittance Variations in Ultralow Emittance Storage Rings.
2018 International Particle Accelerator Conference, Vancouver, BC, Canada, May 2018.
- [C167] C. Steier, A.P. Allézy, A. Anders, K.M. Baptiste, E.S. Buice, K. Chow, G.D. Cutler, S. De Santis, R.J. Donahue, D. Filippetto, J.P. Harkins, T. Hellert, M.J. Johnson, J.-Y. Jung, S.C. Leemann, D. Leitner, M. Leitner, T.H. Luo, H. Nishimura, T. Oliver, O. Omolayo, J.R. Osborn, G.C. Pappas, S. Persichelli, M. Placidi, G.J. Portmann, S. Reyes, D. Robin, F. Sannibale, C. Sun, C.A. Swenson, M. Venturini, S.P. Virostek, W.L. Waldron, E.J. Wallén.
Status of the Conceptual Design of ALS-U.
2018 International Particle Accelerator Conference, Vancouver, BC, Canada, May 2018.
- [C166] T. Hellert, J.-Y. Jung, S.C. Leemann, H. Nishimura, D. Robin, F. Sannibale, C. Steier, C. Sun, C.A. Swenson, M. Venturini.
Simulation of Trajectory Correction in Early Commissioning of the Advanced Light Source Upgrade.
2018 International Particle Accelerator Conference, Vancouver, BC, Canada, May 2018.
- [C165] F. Sannibale, J. Byrd, D. Filippetto, M. Johnson, D. Li, T. Luo, C. Mitchell, J. Staples, S. Virostek.
Higher Fields and Beam Energies in Continuous-Wave Room-Temperature VHF RF Guns.
2017 Free Electron Laser Conference, Santa Fe NM, USA, August 2017.
- [C164] C. E. Mitchell, J. Qiang, F. Sannibale.
Beam Dynamics Optimization in High-Brightness Electron Injectors.
2017 Free Electron Laser Conference, Santa Fe NM, USA, August 2017.
- [C163] F. Sannibale, J. Byrd, D. Filippetto, M. Johnson, D. Li, T. Luo, C. Mitchell, J. Staples, S. Virostek.
Upgrade Options Towards Higher Fields and Beam Energies for Continuous-Wave Room-Temperature VHF RF Guns.
2017 International Particle Accelerator Conference, Copenhagen, Denmark, May 2017.
- [C162] S.P. Virostek, F. Sannibale, J.W. Staples, H.J. Qian.
The RF and Mechanical Design of a Compact, 2.5 kW, 1.3 GHz Resonant Loop Coupler for the APEX Buncher Cavity.
2017 International Particle Accelerator Conference, Copenhagen, Denmark, May 2017.
- [C161] C. Sun, J.-Y. Jung, H. Nishimura, D. Robin, F. Sannibale, C. Steier, C.A. Swenson, M. Venturini, W. Wan.
Design of the ALS-U Storage Ring Lattice.
2017 International Particle Accelerator Conference, Copenhagen, Denmark, May 2017.
- [C160] C. Steier, A.P. Allézy, A. Anders, K.M. Baptiste, J.M. Byrd, K. Chow, G.D. Cutler, S. De Santis, R.J. Donahue, R.M. Duarte, J.-Y. Jung, S.C. Leemann, M. Leitner, T.H. Luo, H. Nishimura, T. Oliver, O. Omolayo, J.R. Osborn, G.C. Pappas, S. Persichelli, M. Placidi, G. Portmann, S. Reyes, D. Robin, F. Sannibale, C. Sun, C.A. Swenson, M. Venturini, W. Waldron, E. Wallén, W. Wan.
Status of the Conceptual Design of ALS-U.
2017 International Particle Accelerator Conference, Copenhagen, Denmark, May 2017.
- [C159] F. Zhou, D. Dowell, P. Emma, J.F. Schmerge, C.E. Mitchell, F. Sannibale.
LCLS-II Injector Physics Design and Beam Tuning.
2017 International Particle Accelerator Conference, Copenhagen, Denmark, May 2017.

- [C158] F. Sannibale.
Overview of Electron Source Development for High Repetition Rate FEL Facilities.
2016 North America Particle Accelerator Conference, Chicago IL, October 2016. TUB1CO03.
- [C157] C. Steier, A. Anders, J. Byrd, K. Chow, S. De Santis, R. M. Duarte, J.-Y. Jung, T. Luo, H. Nishimura, T. Oliver, J. Osborn, H. A. Padmore, C. Pappas, S. Persichelli, D. Robin, F. Sannibale, R. Schlueter, C. Sun, C. A. Swenson, M. Venturini, W. L. Waldron, E. Wallén, W. Wan, Y. Yang.
ALS-U: A Soft X-Ray Diffraction Limited Light Source.
2016 North America Particle Accelerator Conference, Chicago IL, October 2016. TUB1CO03.
- [C156] F. Sannibale, J.A. Doyle, J. Feng, D. Filippetto, G.L. Harris, M.J. Johnson, T.D. Kramasz, D. Leitner, C.E. Mitchell, J.R. Nasiatka, H.A. Padmore, H.J. Qian, H. Rasool, J.W. Staples, S.P. Virostek, R.P. Wells, M.S. Zolotarev, S.M. Gierman, R.K. Li, J.F. Schmerge, T. Vecchione, F. Zhou, C. Pagani, D. Sertore.
APEX Phase-II Commissioning Results at the Lawrence Berkeley National Laboratory.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. TUOCA02.
- [C155] H.J. Qian, D. Filippetto, F. Sannibale.
S-Band Photoinjector Investigations by Multiobjective Genetic Optimizer.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. THPOW020.
- [C154] C. Steier, A. Anders, J.M. Byrd, K. Chow, S. De Santis, R.M. Duarte, J.-Y. Jung, T.H. Luo, H. Nishimura, T. Oliver, J.R. Osborn, H.A. Padmore, G.C. Pappas, D. Robin, F. Sannibale, D. Schlueter, C. Sun, C.A. Swenson, M. Venturini, W.L. Waldron, E.J. Wallén, W. Wan, Y. Yang.
R+D Progress Towards a Diffraction Limited Upgrade of the ALS.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. WEPOW051.
- [C153] C. Sun, H. Nishimura, D. Robin, F. Sannibale, C. Steier, M. Venturini, W. Wan.
Optimization of the ALS-U Storage Ring Lattice.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. WEPOW050.
- [C152] C. Steier, J. Byrd, S. De Santis, H. Nishimura, D. Robin, F. Sannibale, C. Sun, M. Venturini, W. Wan.
Physics Design Progress towards a Diffraction Limited Upgrade of the ALS.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. WEPOW049.
- [C151] C.E. Mitchell, H.J. Qian, J. Qiang, F. Sannibale, M. Venturini P. Emma, T.O. Raubenheimer, J.F. Schmerge, F. Zhou.
RF Injector Beam Dynamics Optimization and Injected Beam Energy Constraints for LCLS-II.
2016 International Particle Accelerator Conference, Busan, South Korea, May 2016. TUPOR019.
- [C150] F. Sannibale, K. Baptiste, C. Cork, J. Corlett, M. Decool, S. De Santis, M. Dickinson, L. Doolittle, J. Doyle, J. Feng, D. Filippetto, D. Gibson, S. Giermann, G. Harris, G. Huang, M. Johnson, M. Kirkpatrick, T. Kramasz, S. Kwiatkowski, D. Leitner, R. Lellinger, R. Li, C. Mitchell, V. Moroz, J. Nasiatka, W. E. Norum, H. Padmore, C. Pagani, G. Portmann, H. Qian, H. Rasool, J. Schmerge, D. Sertore, D. Syversrud, T. Vecchione, M. Vinco, S. Virostek, R. Wells, F. Zhou, M. Zolotarev,
The VHF-Gun, the LBNL High-Brightness Electron Photo-Injector for MHz-Class Repetition-Rate Application.
OSA 2016 High-Brightness Sources and Light-Driven Interactions Congress, Long Beach, CA, US, March 2016
- [C149] F. Sannibale, K. Baptiste, C. Cork, S. De Santis, M. Dickinson, L. Doolittle, J. Doyle, J. Feng, D. Filippetto, G. Harris, G. Huang, M. Johnson, M. Jones, T. Kramasz, S. Kwiatkowski, D. Leitner, R. Lellinger, C. Mitchell, V. Moroz, E. Norum, H. Padmore, G. Portmann, H. Qian, J. Staples, D. Syversrud, M. Vinco, S. Virostek, R. Wells, M. Zolotarev, R. Huang.
Status, Plans and Recent Results from the APEX Project at LBNL
2015 Free Electron Laser Conference, Daejeon, South Korea, August 2015.

- [C148] Houjun Qian, Jun Feng, Daniele Filippetto, James R. Nasiatka, Howard A. Padmore, Fernando Sannibale, Renkai Li, John Schmerge, Feng Zhou.
Alkali Cathode Testing for LCLS-II at APEX
2015 Free Electron Laser Conference, Daejeon, South Korea, August 2015.
- [C147] Feng Zhou, David Dowell, Renkai Li, Tor Raubenheimer, John Schmerge, Alessandro Vivoli, Chad Eugene Mitchell, Christos Frantzis Papadopoulos, Fernando Sannibale.
LCLS-II Injector Beamline Design and RF Coupler Correction
2015 Free Electron Laser Conference, Daejeon, South Korea, August 2015.
- [C146] C. Steier, A. Anders, D. Arbelaez, J. Byrd, K. Chow, R. Duarte, J. Jung, T. Luo, A. Madur, H. Nishimura, J. Osborn, C. Pappas, L. Reginato, D. Robin, F. Sannibale, S. De Santis, R. Schlueter, C. Sun, C. Swenson, W. Waldron, E. Wallen, W. Wa
Progress of the R&D towards a diffraction limited upgrade of the Advanced Light Source
2015 International Particle Accelerator Conference, Richmond, Virginia, USA, May 2015.
- [C145] F. Sannibale, D. Filippetto, H. Qian, C. F. Papadopoulos, R. Wells, T. Kramasz, H. Padmore, J. Feng, J. Nasiatka, R. Huang, M. Zolotarev, J. W. Staples.
Tests of photocathodes for high repetition rate x-ray FELs at the APEX facility at LBNL
SPIE, Advances in X-Ray FEL Instrumentation, Prague, Czech Republic, April 13-16, 2015.
- [C144] D. Filippetto, L. Doolittle, G. Huang, E. Norum, G. J. Portmann, H. Qian, F. Sannibale,.
Diagnostic for a High Repetition Rate Electron Photo-Gun and First Measurements
SPIE, Advances in X-Ray FEL Instrumentation, Prague, Czech Republic, April 13-16, 2015.
- [C143] Houjun Qian, John Byrd, Lawrence Doolittle, Qiang Du, Daniele Filippetto, Gang Huang, Fernando Sannibale, Russell Wells, Jin Yang.
Beam Jitter Spectra Measurements of the APEX Photoinjector
2014 International Beam Instrumentation Conference, Monterey, CA, USA, September 2014.
- [C142] C.F.Papadopoulos, D. Filippetto, R. Huang, G.J. Portmann, H.J. Qian, F. Sannibale, S.P. Virostek, R.P.Wells, A.C.Bartnik, I.V. Bazarov, B.M. Dunham, C.M. Gulliford, C.E. Mayes, A. Brachmann, D. Dowell, P. Emma, Z. Li, T.O. Raubenheimer, J.F. Schmerge, T. Vecchione, F. Zhou, A. Vivoli
Longitudinal and Transverse Optimization for a High Repetition Rate Injector
2014 Free Electron Laser Conference, Basel, Switzerland, August 2014.
- [C141] R. Huang, D. Filippetto, C. F. Papadopoulos, F. Sannibale
Dark Current Studies at the APEX Photoinjector
2014 Free Electron Laser Conference, Basel, Switzerland, August 2014.
- [C140] C.Mitchell,D.Filippetto,R.Huang,C. Papadopoulos, H.Qian, J. Qiang, F. Sannibale, M. Venturini
Higher-Order Moment Models of Longitudinal Pulse Shape Evolution in Photoinjectors
2014 Free Electron Laser Conference, Basel, Switzerland, August 2014.
- [C139] H.Qian, K. M. Baptiste, J. Doyle, D. Filippetto, S. Kwiatkowski, C. F. Papadopoulos, D. Patino, F. Sannibale, J. W. Staples, S.Virostek, R. Wells
Design of a 1.3 GHz Two-cell Buncher for APEX
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C138] C. Papadopoulos, D.Filippetto, F.Sannibale, P.Emma, T.Raubenheimer, J.Schmerge, L.Wang, F.Zhou
RF Injector Beam Dynamics Optimization for LCLS-II
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C137] Russell Wells, William Ghorso, Fernando Sannibale, John William Staples, Tong-Ming Huang
Design and Fabrication of a VHF - CW High Repetition Rate Electron Gun
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.

- [C136] D. Filippetto, C. W. Cork, S. De Santis, L. Doolittle, G. Huang, R. Huang, E. Norum, C. F. Papadopoulos, G. J. Portmann, H. Qian, F. Sannibale, J. W. Staples, R. Wells, J. Yang
APEX Present Experimental Results
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C135] F. Sannibale, K. Baptiste, C. Cork, J. Corlett, S. De Santis, Lawrence Doolittle, Jennifer Doyle, Daniele Filippetto, Gregory Harris, Gang Huang, Hanjing Huang, Tobin Dean Kramasz, Slawomir Kwiatkowski, Richard Lellinger, Vladimir Moroz, Eric Norum, Christos Frantzis Papadopoulos, Gregory James Portmann, Houjun Qian, John William Staples, Massimiliano Vinco, Steve Virostek, Russell Wells, Max Zolotarev, Ruixuan Huang
Status of the APEX Project at LBNL
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C134] Daniele Filippetto, Marvin Mellado Munoz, Houjun Qian, Fernando Sannibale, Weishi Wan, Russell Wells, Max Zolotarev
High Repetition Rate Ultrafast Electron Diffraction at LBNL
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C133] Christoph Steier, Andre Anders, Diego Arbelaez, Kenneth Michael Baptiste, Walter Barry, John Byrd, Ken Chow, Stefano De Santis, Robert M. Duarte, Roger W. Falcone, Jin-Young Jung, Stephen Kevan, Slawomir Kwiatkowski, Tianhuan Luo, Arnaud Madur, Hiroshi Nishimura, James Osborn, Chris Pappas, Lou Reginato, David Robin, Fernando Sannibale, Ross Schlueter, Changchun Sun, Charles Swenson, Hamed Tarawneh, William L. Waldron, Weishi Wan
Proposal for a Soft X-ray Diffraction Limited Upgrade of the ALS
2014 International Particle Accelerator Conference, Dresden, Germany, June 2014.
- [C132] Fernando Sannibale, Kenneth Michael Baptiste, Carl William Cork, John Corlett, Stefano De Santis, Lawrence Doolittle, Jennifer Doyle, Daniele Filippetto, Gregory Harris, Gang Huang, Tobin Dean Kramasz, Slawomir Kwiatkowski, Richard Lellinger, Vladimir Moroz, Eric Norum, Christos Frantzis Papadopoulos, Gregory James Portmann, Houjun Qian, John William Staples, Massimiliano Vinco, Russell Wells, Max Zolotarev, Ruixuan Huang
Recent Results from the APEX Project at LBNL
2013 National Particle Accelerator Conference, Pasadena, CA US, September 2013.
- [C131] John Corlett, ..., Fernando Sannibale, ..., Gennady Stupakov
NGLS - A Next Generation Light Source
2013 National Particle Accelerator Conference, Pasadena, CA US, September 2013.
- [C130] Houjun Qian, Slawomir Kwiatkowski, Christos Frantzis Papadopoulos, Zarife Paret, Fernando Sannibale, John William Staples, Russell Wells.
Analysis and Optimization of Coupler Kick in APEX
2013 National Particle Accelerator Conference, Pasadena, CA US, September 2013.
- [C129] D. Filippetto, S. De Santis, L.R. Doolittle, G. Huang, W.E. Norum, G.J. Portmann, H.J. Qian, F. Sannibale, R.P. Wells
Diagnostic for a High Repetition Rate Electron Photo-Gun and First Measurements
2013 International Beam Instrumentation Conference, Oxford, UK, September 2013.
- [C128] D. Filippetto, L. Doolittle, G. Huang, G. Marcus, H. Qian, F. Sannibale
The Photocathode Laser System for the APEX High Repetition Rate Photoinjector
2013 Free Electron Laser Conference, New York, NY US, August 2013.
- [C127] S. De Santis, M. Chin, D. Filippetto, W. Norum, Z. Paret, G.J. Portmann, F. Sannibale, R. Wells
Design Of The Stripline BPM For The Advanced Photoinjector Experiment Photoinjector
2013 Free Electron Laser Conference, New York, NY US, August 2013.

- [C126] C. Papadopoulos, F. Sannibale, P. Emma, D. Filippetto, H. Qian, M. Venturini, R. Wells
Injector Design Studies for NGLS
2013 Free Electron Laser Conference, New York, NY US, August 2013.
- [C125] C. Steier, J. Byrd, S. De Santis, P. Emma, D. Li, H. Nishimura, C. Papadopoulos, H. Qian, F. Sannibale.
Design of a Collimation System for the Next Generation Light Source
Proceedings of IPAC2013, Shanghai, China, May 2013.
- [C124] Daniele Filippetto, Barry Bailey, Kenneth Michael Baptiste, Carl William Cork, John Corlett, Stefano De Santis, Scott Dimaggio, Lawrence Doolittle, Jennifer Doyle, Gang Huang, Hanjing Huang, Tobin Dean Kramasz, Richard Lellingner, Eric Norum, Christos Frantzis Papadopoulos, Chris Pappas, Gregory James Portmann, Fernando Sannibale, John William Staples, Massimiliano Vinco, Russell Wells, Max Zolotorev, Frank Zucca, Conor Michael Pogue
APEX Initial Commissioning Results
2012 Free Electron Laser Conference, Nara Japan, August 2012.
- [C123] Christos Frantzis Papadopoulos, John Corlett, Paul J. Emma, Daniele Filippetto, Gregory Penn, Ji Qiang, Matthias Reinsch, Fernando Sannibale, Marco Venturini
Injector Optimization for a High-repetition Rate X-ray FEL
2012 Free Electron Laser Conference, Nara Japan, August 2012.
- [C122] Fernando Sannibale
Overview of Recent Progress on High Repetition Rate, High Brightness Electron Guns
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C121] Gang Huang, Kenneth Michael Baptiste, John Byrd, Lawrence Doolittle, Fernando Sannibale
LLRF Control Algorithm for APEX
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C120] Christos Frantzis Papadopoulos, John Corlett, Paul J. Emma, Daniele Filippetto, Gregory Penn, Ji Qiang, Matthias Reinsch, Fernando Sannibale, Christoph Steier, Marco Venturini, Russell Wells
Injector Beam Dynamics for a High-repetition Rate 4th-generation Light Source
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C119] Fernando Sannibale, Barry Bailey, Kenneth Michael Baptiste, John Byrd, Carl William Cork, John Corlett, Stefano De Santis, Lawrence Doolittle, Jennifer Doyle, Paul J. Emma, Jun Feng, Daniele Filippetto, Gang Huang, Hanjing Huang, Tobin Dean Kramasz, Slawomir Kwiatkowski, Eric Norum, Howard A. Padmore, Christos Frantzis Papadopoulos, Chris Pappas, Gregory James Portmann, Ji Qiang, David Garcia Quintas, John William Staples, Theodore Vecchione, Marco Venturini, Massimiliano Vinco, Weishi Wan, Russell Wells, Max Zolotorev, Frank Zucca, Michael Messerly, Matthew Prantil
Status of the APEX Project at LBNL
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C118] Marco Venturini, John Corlett, Paul J. Emma, Christos Frantzis Papadopoulos, Gregory Penn, Massimo Placidi, Ji Qiang, Matthias Reinsch, Fernando Sannibale, Christoph Steier, Russell Wells
Beam Dynamics Studies of a High-repetition Rate Linac Driver for a 4th-generation Light Source
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C117] J. Corlett, B. Austin, K. Baptiste, D. Bowring, J. Byrd, S. De Santis, P. Denes, R. Donahue, L. Doolittle, P. Emma, D. Filippetto, G. Huang, T. Koettig, S. Kwiatkowski, D. Li, T. P. Lou, H. Nishimura, H. Padmore, C. Papadopoulos, C. Pappas, G. Penn, M. Placidi, S. Prestemon, D. Prosnitz, J. Qiang, A. Ratti, M. Reinsch, D. Robin, F. Sannibale, R. Schlueter, R. Schoenlein, J. Staples, C. Steier, C. Sun, T. Vecchione, M. Venturini, W. Wan, R. Wells, R. Wilcox, J. Wurtele
Next Generation Light Source R&D and Design Studies at LBNL
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.

- [C116] C. Steier, P. Emma, H. Nishimura, C. F. Papadopoulos, F. Sannibale
Electron Beam Collimation for the Next Generation Light Source.
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012
- [C115] Daniele Filippetto, Michael Chin, Carl William Cork, Stefano De Santis, Lawrence Doolittle, Eric Norum, Christos Frantzis Papadopoulos, Gregory James Portmann, David Garcia Quintas, Fernando Sannibale, Russell Wells, Max Zolotorev
Status of the APEX Beam Diagnostic and First Measurements.
2012 International Particle Accelerator Conference, New Orleans LA, USA, May 2012.
- [C114] C. Boulware, J. Corlett, K. Harkay, F. Hannon, C. Hernandez-Garcia, T. Kamps, M. Krasilnikov, B. Militsyn, T. Quast, F. Sannibale, J. Teichert
Electron sources for future light sources, summary and conclusions for the activities during FLS2012.
2012 ICFA Workshop on Future Light Sources, Newport News, VA, USA, March 2012.
arXiv:1307.1571 [physics.acc-ph]
- [C113] D. Filippetto, C. F. Papadopoulos, G. Penn, S. Prestemon, F. Sannibale, M. Yoon, C. Pellegrini
Infrared Single Spike Pulses Generation Using a Short Period Superconducting Tape Undulator at APEX.
2011 Free Electron Laser Conference, Shanghai, China, August 2011.
- [C112] C. F. Papadopoulos, D. Filippetto, G. Penn, J. Qiang, F. Sannibale, M. Venturini
Combined Optimization of a Linac-based FEL Light Source Using a Multiobjective Genetic Algorithm at APEX.
2011 Free Electron Laser Conference, Shanghai, China, August 2011.
- [C111] C. F. Papadopoulos, D. Filippetto, F. Sannibale, R. Wells
Beam Dynamics Considerations for APEX a High Repetition Rate Photoinjector.
2011 Free Electron Laser Conference, Shanghai, China, August 2011.
- [C110] C. Sun, H. Nishimura, G. Penn, M. Reinsch, D. Robin, F. Sannibale, C. Steier, W. Wan
Beam Study of Highly Isochronous Beamlines for FEL Seeding.
2011 Free Electron Laser Conference, Shanghai, China, August 2011.
- [C109] F. Sannibale, B. Bailey, K. M. Baptiste, J. Byrd, T. Catalano, D. Colomb, C. W. Cork, J. Corlett, S. De Santis, L. Doolittle, J. Feng, D. Filippetto, G. Huang, S. Kwiatkowski, E. Norum, H. A. Padmore, C. F. Papadopoulos, G. Penn, G. J. Portmann, S. Prestemon, J. Qiang, D. Garcia Quintas, J. W. Staples, M. Stuart, T. Vecchione, M. Venturini, M. Vinco, W. Wan, R. I. Wells, M. Zolotorev, F. Zucca, M. Messerly, M. Prantil, M. Yoon, C. Pellegrini
APEX Project Phases 0 and I Status, and Plans and Activities for Phase II.
2011 Free Electron Laser Conference, Shanghai, China, August 2011.
- [C108] M. Venturini, J.N. Corlett, L.R. Doolittle, D. Filippetto, C. F. Papadopoulos, G. Penn, D. Prosnitz, J. Qiang, M.W. Reinsch, R.D. Ryne, F. Sannibale, J.W. Staples, R.P. Wells, J.S. Wurtele, M.S. Zolotorev, A. Zholents.
Studies of a Linac Driver for a High Repetition Rate X-ray FEL.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.
- [C107] D. Filippetto, J. Byrd, M. Chin, C. Cork, S. De Santis, L. Doolittle, J. Feng, W. Norum, C. Papadopoulos, G. Portmann, D.G. Quintas, F. Sannibale, M.E. Stuart, R.P. Wells, M.S. Zolotorev.
Low Energy 6D Beam Diagnostic for APEX, the LBNL VHF Photo-injector.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.

- [C106] J.N. Corlett, K.M. Baptiste, J.M. Byrd, P. Denes, R.J. Donahue, L.R. Doolittle, R.W. Falcone, D. Filippetto, J. Kirz, D. Li, H.A. Padmore, C. F. Papadopoulos, G.C. Pappas, G. Penn, M. Placidi, S. Prestemon, J. Qiang, A. Ratti, M.W. Reinsch, F. Sannibale, D. Schlueter, R.W. Schoenlein, J.W. Staples, T. Vecchione, M. Venturini, R.P. Wells, R.B. Wilcox, J.S. Wurtele, A.E. Charman, E. Kur, A. Zholents.
A Next Generation Light Source Facility at LBNL.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.
- [C105] C. Steier, B.J. Bailey, A. Biocca, A.T. Black, D. Colomb, N. Li, A. Madur, S. Marks, H. Nishimura, G.C. Pappas, G.J. Portmann, S. Prestemon, D. Robin, S.L. Rossi, F. Sannibale, T. Scarvie, D. Schlueter, C. Sun, W. Wan.
Status of the ALS Upgrade.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.
- [C104] J. Feng, D. Filippetto, H.A. Padmore, F. Sannibale, R.P. Wells, M. J. Messerly, M.A. Prantil.
Drive Laser System for the Advanced Photo-Injector Project at the LBNL.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.
- [C103] C. F. Papadopoulos, J.N. Corlett, D. Filippetto, G. Penn, J. Qiang, F. Sannibale, J.W. Staples, M. Venturini, R.P. Wells, M.S. Zolotarev.
Photoinjector Beam Dynamics for a Next Generation X-Ray FEL.
2011 Particle Accelerator Conference, New York, NY USA, March 2011.
- [C102] F. Sannibale, B. Bailey, K. Baptiste, A. Catalano, D. Colomb, J. Corlett, S. De Santis, L. Doolittle, J. Feng, D. Filippetto, G. Huang, R. Kraft, D. Li, M. Messerly, H. Padmore, C. F. Papadopoulos, G. Portmann, M. Prantil, S. Prestemon, J. Qiang, J. Staples, M. Stuart, T. Vecchione, R. Wells, M. Yoon, M. Zolotarev.
Status of the LBNL Normal-Conducting CW VHF Electron Photo-Gun
Proceedings of the 2010 Free Electron Laser Conference, Malmo, Sweden, August 2010.
- [C101] C.F. Papadopoulos, J. Corlett, D. Filippetto, J. Qiang, F. Sannibale, J. Staples, M. Venturini, M. Zolotarev.
Multiobjective Optimization for the Advanced Photo-injector EXperiment (APEX)
Proceedings of the 2010 Free Electron Laser Conference, Malmo, Sweden, August 2010.
- [C100] J. N. Corlett, K.M. Baptiste, J.M. Byrd, P. Denes, R.W. Falcone, J. Feng, D. Filippetto, C. Greaves, J. Kirz, D. Li, H.A. Padmore, C. Papadopoulos, C. Pappas, G. Penn, J. Qiang, M. Reinsch, R. Ryne, F. Sannibale, R.W. Schoenlein, J.W. Staples, C. Steier, T. Vecchione, M. Venturini, W. Wan, R. Wells, R. Wilcox, J. Wurtele, A. Charman, E. Kur, A.A. Zholents.
Design Studies for a Next Generation Light Source Facility at LBNL
Proceedings of the 2010 Free Electron Laser Conference, Malmo, Sweden, August 2010.
- [C99] J.N. Corlett, K.M. Baptiste, J.M. Byrd, P. Denes, R.W. Falcone, J. Feng, J. Kirz, D. Li, H.A. Padmore, C. F. Papadopoulos, G. Penn, J. Qiang, D. Robin, R.D. Ryne, F. Sannibale, R.W. Schoenlein, J.W. Staples, C. Steier, T. Vecchione, M. Venturini, W. Wan, R.P. Wells, R.B. Wilcox, J.S. Wurtele, A. Zholents, A.E. Charman, E. Kur.
Design Studies for a VUV-Soft X-ray FEL Facility at LBNL
Proceedings of the 1st International Particle Accelerator Conference, Kyoto, Japan., May 2010, p. 2639.
- [C98] C. Steier, B.J. Bailey, A. Biocca, A. Madur, H. Nishimura, G.J. Portmann, S. Prestemon, D. Robin, S.L. Rossi, F. Sannibale, T. Scarvie, D. Schlueter, W. Wan, L. Yang
Status of the Low Emittance Upgrade of the Advanced Light Source
Proceedings of the 1st International Particle Accelerator Conference, Kyoto, Japan., May 2010, p. 2645.

- [C97] C. Steier, B. Bailey, K. Baptiste, W. Barry, A. Biocca, W. Byrne, P. Casey, M. Chin, R. Donahue, R. Duarte, M. Fahmie, B. Gath, S. Jacobson, J. Julian, J.Y. Jung, M. Kritscher, S. Kwiatkowski, S. Marks, P. McKean, R. Mueller, H. Nishimura, J. O'Neill, G. Portmann, S. Prestemon, D. Robin, S. Rossi, F. Sannibale, T. Scarvie, R. Schlueter, D. Shuman, A. Smith-Baumann, G. Stover, C. Timossi, W. Wan, T. Warwick, R. Wells, J. Weber and E. Williams.
Successful Completion of the Top-off Upgrade of the Advanced Light Source
Tenth International Conference on Synchrotron Radiation Instrumentation, Melbourne, Victoria, Australia, September 27 - October 2, 2009.
- [C96] K. Baptiste, J. Corlett, R. Kraft, S. Kwiatkowski, J. Qiang, F. Sannibale[#], J. Staples, R. Wells, L. Yang, A. Zholents.,
Status and plans for the LBNL normal-conducting CW VHF photo-injector.
Proceedings of the 2009 Free Electron Laser Conference, Liverpool, U.K., August 2009, p.470.
- [C95] F. Sannibale.
Highlights from BIW'08.
9th European Workshop on Beam Diagnostics and Instrumentation for Particle Accelerators, Basel, Switzerland, May 2009.
- [C94] K. Baptiste, J. Corlett, T. M. Huang, S. Kwiatkowski, D. Li, J. Qiang, F. Sannibale, J. Staples, R. Wells, L. Yang, A. Zholents.
Status of the LBNL Normal-Conducting CW VHF Photo-Injector.
2009 Particle Accelerator Conference, Vancouver, Canada, May 2009.
- [C93] C. T. Hliang, D. Robin, F. Sannibale, W. Wan.
Using Synchrotron Resonances to Generate a Crabbed Beam at the ALS.
2009 Particle Accelerator Conference, Vancouver, Canada, May 2009.
- [C92] C. Steier, B. Bailey, K. M. Baptiste, W. Barry, A. Biocca, W. Byrne, P. W. Casey, M. Chin, R. J. Donahue, R. M. Duarte, M. Fahmie, W. Gath, S. Jacobson, J. Julian, J.-Y. Jung, M. Kritscher, S. Kwiatkowski, S. Marks, P. McKean, R. Mueller, H. Nishimura, J. O'Neill, G. J. Portmann, S. Prestemon, D. Robin, S. Rossi, F. Sannibale, T. Scarvie, R. Schlueter, D. Shuman, A. Smith-Baumann, G. D. Stover, C. Timossi, W. Wan, T. Warwick, J. Weber, R. Wells, E. Williams.
Commissioning and User Operation of the ALS in Top-Off Mode.
2009 Particle Accelerator Conference, Vancouver, Canada, May 2009.
- [C91] L. Yang, D. Robin, F. Sannibale, C. Steier, W. Wan.
Multiobjective Light Source Lattice Optimization
2009 Particle Accelerator Conference, Vancouver, Canada, May 2009.
- [C90] David Robin, Fernando Sannibale, Christoph Steier, Weishi Wan, Lingyun Yang.
Global Optimization of the Magnetic Lattice Using Genetic Algorithms.
2008 European Particle Accelerator Conference, Genoa, Italy, June 2008.
- [C89] Max Zolotarev, Eugene Commins, Jim O'Neill, Fernando Sannibale, Anton Tremsin, Weishi Wan.
First Experimental Results from DEGAS, the Quantum Limited Brightness Electron Source.
2008 European Particle Accelerator Conference, Genoa, Italy, June 2008. Also LBNL-975E
- [C88] David Robin, Gregory James Portmann, Fernando Sannibale, Weishi Wan.
Novel Schemes for Simultaneously Satisfying High Flux and TOF Experiments in a Synchrotron Light Source.
2008 European Particle Accelerator Conference, Genoa, Italy, June 2008.
- [C87] David Robin, Hiroshi Nishimura, Gregory James Portmann, Fernando Sannibale, Christoph Steier.
Future Plans for the Advanced Light Source.
2008 European Particle Accelerator Conference, Genoa, Italy, June 2008.

- [C86] Michael Chin, Walter Barry, Fernando Sannibale, Jonah Weber.
ALS FGPA-based Bunch Cleaning.
2008 Beam Instrumentation Workshop, Tahoe City, CA USA, May 2007.
- [C85] F.Sannibale, K.Baptiste, W.Barry, M.Chin, D.Filippetto, L.Jaegerhofer, J.Julian, S.Kwiatkowski, R Low, D.Plate, G.Portmann, D.Robin, T.Scarvie, G Stupakov, J.Weber, M. Zolotorev.
Recent beam measurements and new instrumentation at the Advanced Light Source.
2008 Beam Instrumentation Workshop, Tahoe City, CA USA, May 2007. Also LBNL-661E.
- [C84] F. Sannibale, M. Zolotorev, D. Filippetto, G. Stupakov.
Absolute Bunch Length Measurements at the ALS by Incoherent Synchrotron Radiation Fluctuation Analysis.
2007 Particle Accelerator Conference, Albuquerque, NM, June 2007. Also LBNL-63031.
- [C83] J. W. Staples, K. M. Baptiste, J. N. Corlett, S. Kwiatkowski, S. M. Lidia, J. Qiang, Fernando Sannibale, K. G. Sonnad, S. P. Virostek, R. P. Wells.
Design of a VHF-band RF Photoinjector with MegaHertz Beam Repetition Rate.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C82] Jeff Corbett, Alan Stephen Fisher, Xiaobiao Huang, James A. Safranek, James J. Sebek, Alex Lumpkin (ANL, Argonne, Illinois), Walter Mok, Fernando Sannibale .
Bunch Length Measurements in SPEAR3.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C81] Rohan Dowd, Mark James Boland, Gregory Scott LeBlanc, Martin John Spencer, Yaw-Ren Eugene Tan (ASP, Clayton, Victoria), John Byrd, Fernando Sannibale (LBNL).
Measurements of Impedance and Beam Instabilities at the Australian Synchrotron.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C80] C. Steier, B. Bailey, K. Baptiste, W. Barry, A. Biocca, W. Byrne, M. Chin, R. Donahue, R. Duarte, M. Fahmie, W. Gath, S. Jacobson, J. Julian, J.-Y. Jung, S. Kwiatkowski, S. Marks, R. Mueller, H. Nishimura, J. O'Neill, S. Prestemon, D. Robin, S. Rossi, F. Sannibale, T. Scarvie, R. Schlueter, D. Shuman, G. Stover, C. Timossi, T. Warwick, J. Weber, E. Williams.
Status of the Top-off Upgrade of the ALS.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C79] Hiroshi Nishimura, Richard Joseph Donahue, Robert M. Duarte, David Robin, Fernando Sannibale, Christoph Steier, Weishi Wan.
ALS Top-off Simulation Studies for Radiation Safety.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C78] John Corlett, John Byrd, William M. Fawley, Michael Gullans, Derun Li, Steven M. Lidia, Gregory Penn, Ilya V. Pogorelov, Ji Qiang, David Robin, Fernando Sannibale, John William Staples, Christoph Steier, Marco Venturini, Steve Virostek, Weishi Wan, Russell Wells, Russell Wilcox, Jonathan Wurtele, Alexander Zholents.
A High Repetition Rate VUV-Soft X-Ray FEL Concept.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C77] Paul Emma, Karl Leopold Freitag Bane, Yuantao Ding, Josef Frisch, Zhirong Huang, Henrik Loos, Gennady Stupakov, Juhao Wu (SLAC, Menlo Park, California), Fernando Sannibale, Kiran G. Sonnad, Max Zolotorev (LBNL, Berkeley, California) .
Measurements of Compression and Emittance Growth after the First LCLS Bunch Compressor Chicane.
2007 Particle Accelerator Conference, Albuquerque, New Mexico, June 2007.
- [C76] Steven Lidia, Fernando Sannibale, John Staple, Steve Virostek, Russel Wells.
Development of a high-brightness VHF electron source at LBNL.
ERL07 Workshop, Daresbury UK May 2007.

- [C75] W. E. Byrne, C.-W. Chiu, J.-H. Guo, F. Sannibale, J. S. Hull, O. H. W. Siegmund, A. S. Tremsin, J. V. Vallerga.
Bunch diffusion measurements at the Advanced Light Source.
10th European Particle Accelerator Conference, Edinburgh, United Kingdom, June 2006.
LBNL-60410
- [C74] W. C. Barry, M. J. Chin, F. Sannibale.
Test of a new bunch cleaning technique for the Advanced Light Source.
10th European Particle Acc. Conference, Edinburgh, United Kingdom, June 2006. LBNL-60410
- [C73] M. Zolotarev, E. D. Commins, S. Heifets and F.Sannibale.
Proposal for a High-Brightness Pulsed Electron Source
Proceeding of the workshop on “The Physics and Applications of High Brightness Electron Beams”, Erice, Italy, October 2005. LBNL-60066.
- [C72] A.Biocca, N.Kelez, M.C.Martin, T.Nishimura, G.J.Portmann, F.Sannibale, T.Scarvie, E. Williams
Beam Measurements and Upgrade at BL 7.2, the Second Diagnostics Beamline of the Advanced Light Source
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005. Also LBNL 57594.
- [C71] J. Byrd, Z. Hao, M. C. Martin, D. Robin, F. Sannibale, R. W. Schoenlein, A. Zholents, M. Zolotarev
Terahertz Coherent Synchrotron Radiation from Femtosecond Laser Modulation of the Electron Beam at the Advanced Light Source
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005. Also LBNL 57592.
- [C70] W. Wan, G. J. Portmann, W. Byrne, H. Nishimura, D. S. Robin, F. Sannibale, A. Zholents
Commissioning of a Locally Isochronous Lattice at the ALS
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005
- [C69] M. Zolotarev, E. Commins, P. Denes, Z. Hussain, G. Lebedev, S. M. Lidia, D. Robin, F. Sannibale, R. W. Schoenlein, R. Vogel, W. Wan, S. Heifets
An ultra-bright pulsed electron beam with low longitudinal emittance
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005. Also LBNL 57593.
- [C68] W. Barry, M. Chin, D. Robin, F. Sannibale, T. Scarvie, C. Steier
Diagnostic Systems Plan for the Advanced Light Source Top-Off Upgrade
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005
- [C67] D. Robin, J. Byrd, P. Heimann, S. Kwiatkowski, D. Li, F. Sannibale, C. Steier, W. Wan, A. Zholents, W. Wittmer
Generation of Picosecond X-Ray Pulses in the ALS Using RF Orbit Deflection
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005
- [C66] C. Biscari, D. Alesini, G. Benedetti, M. Biagini, R. Boni, M. Boscolo, A. Clozza, G.i Delle Monache, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, S. Guiducci, M. Incurvati, C. Ligi, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, P. Raimondi, R. Ricci, C. Sanelli, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, M. Zobov, E. Levichev, P. Piminov, D. Shatilov, C. Pagani, J. Byrd, F. Sannibale, J. Fox, D.Teytelman.
Proposal for an Experiment on Bunch Length Modulation in DAΦNE
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005
- [C65] F. Wang, D. Cheever, M. Farkhondeh, W. Franklin, W. Graves, E. Ihloff, C. Tschalaer, J. Van der Laan, D. Wang, D. Wang, T. Zwart, L. Carr, B. Podobedov, F. Sannibale
Terahertz Coherent Synchrotron Radiation in the MIT-Bates South Hall Ring
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005

- [C64] C. Steier, D. Robin, M. Farkhondeh, F. Sannibale, R. Schoenlein, W. Wan, W. Wittmer, A. Zholens.
The New Undulator Based fs-Slicing Beamline at the ALS
2005 Particle Accelerator Conference, Knoxville, Tennessee, May 2005
- [C63] D. S. Robin, B. Bailey, K. Baptiste, W. Barry, W. Byrne, R. Donahue, J.-Y. Jung, S. Kwiatkoswski, R. Mueller, H. Nishimura, S. Prestemon, S. Rossi, F. Sannibale, R. Schlueter, D. Schuman, C. Steier, G. Stover, T. Warwick.
Plan to Upgrade The Advanced Light Source to Top-Off Injection Operation.
9th European Particle Accelerator Conference, Lucerne, Switzerland, July 2004.
- [C62] J. Byrd, Z. Hao, M. C. Martin, D. S. Robin, F. Sannibale, R. W. Schoenlein, M. Venturini, A. A. Zholents, M. S. Zolotorev.
Coherent Infrared Radiation from the ALS Generated Via Femtosecond Laser Modulation of the Electron Beam.
9th European Particle Accelerator Conference, Lucerne, Switzerland, July 2004. LBNL-55688.
- [C61] J. Byrd, S. De Santis, J.-Y. Jung, D. Li, M. C. Martin, W. McKinney, D. Munson, H. Nishimura, D. Robin, F. Sannibale, R. Schlueter, M. Venturini, W. Wan, M. Zolotorev.
CIRCE, the Coherent InfraRed CEnter at the ALS.
9th European Particle Accelerator Conference, Lucerne, Switzerland, July 2004. LBNL-55603.
- [C60] H. Nishimura, D. Robin, F. Sannibale, W. Wan.
Lattice studies for CIRCE (Coherent InfraRed CEnter) at the ALS.
9th European Particle Accelerator Conference, Lucerne, Switzerland, July 2004. LBNL-55647.
- [C59] F. Sannibale, D. Baum, A. Biocca, N. Kelez, T. Nishimura, T. Scarvie, E. Williams, K. Holldack.
Commissioning of BL 7.2, the new diagnostic beam line at the ALS.
9th European Particle Accelerator Conference, Lucerne, Switzerland, July 2004. LBNL-55605.
- [C58] J. M. Byrd, M. C. Martin, W. R. McKinney, D. V. Munson, H. Nishimura, D. S. Robin, F. Sannibale, R. D. Schlueter, W. G. Thur, J. Y. Jung, and W. Wan.
CIRCE: A Ring-based Source of Coherent Synchrotron Radiation.
American Institute of Physics (AIP) Conference Proceedings **705**, p. 137 (SRI 2003).
- [C57] F. Sannibale, J. M. Byrd, A. Loftsdottir, M. C. Martin, M. Venturini.
Fundamentals of Coherent Synchrotron Radiation in Storage Rings
American Institute of Physics (AIP) Conference Proceedings **705**, p. 141 (SRI 2003).
- [C56] F. Sannibale, J. M. Byrd, A. Loftsdottir, M. C. Martin, M. Venturini
A model for producing stable, broadband terahertz coherent synchrotron radiation in storage rings.
Particle Accelerator Conference 2003, may 12 - 16, 2003, Portland USA. LBNL-53639.
- [C55] F. Sannibale, D. Baum, N. Kelez, T. Scarvie, K. Holldack.
A second beam-diagnostic beamline for the Advanced Light Source.
Particle Accelerator Conference 2003, may 12 - 16, 2003, Portland USA. LBNL-52663.
- [C54] G. Mazzitelli, A. Ghigo, M. Preger, F. Sannibale, P. Valente, G. Vignola.
DAΦNE Beam Test Facility commissioning.
Particle Accelerator Conference 2003, may 12 - 16, 2003, Portland USA.
- [C53] G. Mazzitelli, F. Sannibale, P. Valente, M. Vescovi.
Beam instrumentation for the single electron DAΦNE Beam Test Facility.
6th European Workshop on Beam Diagnostics and Instrumentation for Particle Accelerators DIPAC 2003, Mainz, Germany, May 5-7, 2003.

- [C52] G. Di Pirro, A. Drago, F. Sannibale.
DAΦNE beam loss monitor system.
 6th European Workshop on Beam Diagnostics and Instrumentation for Particle Accelerators
 DIPAC 2003, Mainz, Germany, May 5-7, 2003.
- [C51] J.M. Byrd, K.M. Baptiste, W.C. Barry, R.J. Benjegerdes, A.K. Biocca, W.E. Byrne, D. Cambie, M.J. Chin, J.P. Harkins, J.Y. Jung, S. Kwiatkowski, D. Li, S. Marks, M.C. Martin, W.R. McKinney, D.V. Munson, H. Nishimura, J.A. Paterson, D.W. Plate, K.R. Rex, D.S. Robin, S.L. Rossi, F. Sannibale, T. Scarvie, R.D. Schlueter, C. Steier, G.D. Stover, W.G. Thur, J.P. Zbasnik.
A Dedicated Storage Ring for Far-IR Coherent Synchrotron Radiation at the ALS.
 8th European Particle Accelerator Conference, La Villette, Paris June 2002. LBNL-50497.
- [C50] J.M. Byrd, W. Leemans, A. Loftsdottir, B. Marcelis, M.C. Martin, W. McKinney, F. Sannibale, T. Scarvie, C. Steier.
Broadband Self-amplified Spontaneous Coherent Synchrotron Radiation in a Storage Ring.
 8th European Particle Accelerator Conference, La Villette, Paris June 2002.
- [C49] C. Milardi, D. Alesini, C. Biscari, R. Boni, A. Clozza, R. Corsini, G. Delle Monache, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, M.A. Preger, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, M. Zobov.
CTF3 Compressor System.
 8th European Particle Accelerator Conference, La Villette, Paris June 2002.
- [C48] M. Zobov, D. Alesini, G. Benedetti, S. Bertolucci, M.E. Biagini, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, S. Guiducci, M. Incurvati, C. Ligi, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M.A. Preger, P. Raimondi, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi.
Luminosity Performance of DAΦNE.
 8th European Particle Accelerator Conference, La Villette, Paris June 2002.
- [C47] J.M. Byrd, W. Barry, A. Biocca, W. Byrne, S. Kwiatkowski, M.C. Martin, W.R. McKinney, H. Nishimura, K. Rex, D.S. Robin, F. Sannibale, C. Steier, G. Stover, W. Thur, Y. Wu (LBNL)
A Dedicated Infrared Synchrotron Radiation Source at the ALS.
 Particle Accelerator Conference 2001, June 18 - 22, 2001, Chicago USA.
- [C46] D. Alesini, S. Bertolucci, C. Biscari, M. Boscolo, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, M.A. Preger, F. Sannibale, M. Serio, A. Stecchi, A. Stella, C. Vaccarezza, M. Zobov (Istituto Nazionale di Fisica Nucleare) , E.A. Perevedentsev (BINP) , P. Raimondi (SLAC)
Beam-Beam Experience at DAΦNE.
 Particle Accelerator Conference 2001, June 18 - 22, 2001, Chicago USA.
- [C45] C. Vaccarezza, D. Alesini, G. Benedetti, S. Bertolucci, C. Biscari, M. Boscolo, S. Di Mitri, G. Di Pirro, A. Drago, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, M.A. Preger, F. Sannibale, M. Serio, A. Stecchi, M. Zobov (Istituto Nazionale di Fisica Nucleare) , E.A. Perevedentsev (BINP) , P. Raimondi (SLAC)
Non Linear Beam Dynamics at DAΦNE.
 Particle Accelerator Conference 2001, June 18 - 22, 2001, Chicago USA.
- [C44] S. Guiducci, D. Alesini, G. Benedetti, S. Bertolucci, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, S. Di Mitri, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M.A. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, M. Zobov (Istituto Nazionale di Fisica Nucleare) , E.A. Perevedentsev (BINP) , G. von Holtey (CERN) , P. Raimondi (SLAC).
Status Report on DAΦNE.
 Particle Accelerator Conference 2001, June 18 - 22, 2001, Chicago USA.

- [C43] C. Milardi, D. Alesini, G. Benedetti, S. Bertolucci, C. Biscari, M. Boscolo, S. Di Mitri, G. Di Pirro, A. Drago, A. Ghigo, S. Guiducci, G. Mazzitelli, M.A. Preger, F. Sannibale, A. Stecchi, C. Vaccarezza, M. Zobov (Istituto Nazionale di Fisica Nucleare) , E.A. Perevedentsev (BINP) , P. Raimondi (SLAC).
Effects of Nonlinear Terms in the Wiggler Magnets at DAΦNE.
Particle Accelerator Conference 2001, June 18 - 22, 2001, Chicago USA.
- [C42] C. Biscari, A. Ghigo, F. Marcellini, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, G. Vignola, M. Zobov. LNF-INFN Frascati Italy.
R. Corsini, T. E. D'Amico, L. Groening, G. Guignard. CERN Geneva, Switzerland.
CTF3: Design of Driving Beam Combiner Ring.
7th European Particle Accelerator Conference, Vienna June 2000. LNF-00/021 (P) 13 Settembre 2000.
- [C41] F. Sannibale, C. Biscari, M. Boscolo, G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, M. Preger, M. Serio, A. Stecchi, A. Stella, C. Vaccarezza, G. Vignola, M. Zobov.
Beam Measurements for Luminosity Optimisation in DAΦNE.
7th European Particle Accelerator Conference, Vienna June 2000. LNF-00/021 (P) 13 Settembre 2000.
- [C40] G. Di Pirro, G. Mazzitelli, C. Milardi, F. Sannibale, A. Stecchi, A. Stella.
The Evolution and Status of the DAΦNE Control System.
7th European Particle Accelerator Conf., Vienna June 2000. LNF-00/021 (P) 13 Sept. 2000.
- [C39] M. Zobov, D. Alesini, G. Benedetti, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, S. Di Mitri, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola.
Status Report on DAΦNE Performance.
7th European Particle Accelerator Conf., Vienna June 2000. LNF-00/021 (P) 13 Sept. 2000.
- [C38] A. Gallo, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, A. Drago, G. Di Pirro, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, G. Vignola, M. Zobov, J. Fox, S. Prabhakar, D. Teytelman, A. Young.
Single and Multibunch Dynamics Study During the DAΦNE Main Ring Commissioning.
e+e- Factories'99 International Workshop on Performance Improvement of Electron-Positron Collider Particle Factories, September 21-24, 1999, Tsukuba, Japan.
- [C37] M.E. Biagini, C. Biscari, M. Boscolo, A. Ghigo, S. Guiducci, G. Mazzitelli, C. Milardi, M. Preger, F. Sannibale, M. Serio, D. Shatilov, G. Vignola, M. Zobov.
Beam-Beam Interactions in DAΦNE: Numerical Simulation and Experimental Results.
e+e- Factories'99 International Workshop on Performance Improvement of Electron-Positron Collider Particle Factories, September 21-24, 1999, Tsukuba, Japan.
- [C36] M. Zobov, C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, G. Vignola.
DAΦNE Performance with the Experimental Detector.
e+e- Factories'99 International Workshop on Performance Improvement of Electron-Positron Collider Particle Factories, September 21-24, 1999, Tsukuba, Japan.

- [C35] F. Sannibale, M.E. Biagini, C. Biscari, R. Boni, M. Boscolo, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, C. Marchetti, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola, M. Zobov.
Luminosity Optimization in DAΦNE.
DIPAC99, May 16-18, 1999, Chester UK.
- [C34] S. Guiducci, M.E. Biagini, C. Biscari, R. Boni, M. Boscolo, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, F. Marcellini, C. Marchetti, M. R. Masullo, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola, M. Zobov.
DAΦNE Operating Experience.
Particle Accelerator Conference 99, March 29 - April 2, 1999, New York USA.
- [C33] C. Biscari, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, M. Migliorati, M. Preger, F. Sannibale, M. Serio, A. Stella, G. Vignola, M. Zobov, J. Fox, S. Prabhakar, D. Teytelman, A. Young.
Single and Multibunch Beam Dynamics in the DAΦNE Main Rings.
Particle Accelerator Conference 99, March 29 - April 2, 1999, New York USA.
- [C32] M.E. Biagini, C. Biscari, A. Ghigo, S. Guiducci, G. Mazzitelli, C. Milardi, M. Preger, F. Sannibale, M. Serio, G. Vignola, M. Zobov.
Optimization of the DAΦNE Beam-Beam Performance.
Particle Accelerator Conference 99, March 29 - April 2, 1999, New York USA.
- [C31] M.E. Biagini, C. Biscari, R. Boni, M. Boscolo, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, C. Marchetti, M. R. Masullo, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola, M. Zobov.
Status Report of the DAΦNE Φ-Factory in Frascati.
International Workshop on e⁺e⁻ Collision from Φ to J/Ψ, Novosibirsk, Russia, March 1-5, 1999.
- [C30] G. Di Pirro, A. Drago, G. Mazzitelli, C. Milardi, F. Sannibale, A. Stecchi, A. Stella.
DAΦNE control system status and performance.
6th European Particle Accelerator Conference, Stockholm June 1998. LNF-98/023 (P) 27 July 1998.
- [C29] G. Di Pirro, A. Drago, A. Gallo, A. Ghigo, F. Sannibale, M. Serio.
Implementation and performance of the DAΦNE timing system.
6th European Particle Accelerator Conference, Stockholm June 1998. LNF-98/023 (P) 27 July 1998.
- [C28] R. Boni, F. Marcellini, F. Sannibale, M. Vescovi, G. Vignola.
DAΦNE Linac operational performance.
6th European Particle Accelerator Conference, Stockholm June 1998. LNF-98/023 (P) 27 July 1998.
- [C27] M. Biagini, C. Biscari, R. Boni, V. Chimenti, A. Clozza, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, M. Masullo, C. Milardi, L. Pellegrino, M. Preger, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, A. Stella, G. Vignola, M. Zobov.
Performance and operation of the DAΦNE Accumulator.
6th European Particle Accelerator Conference, Stockholm June 1998. LNF-98/023 (P) 27 July 1998.
- [C26] C. Biscari, M. Bassetti, M.E. Biagini, R. Boni, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, M. R. Masullo, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, G. Vignola, M. Zobov.
DAΦNE commissioning.
6th European Particle Accelerator Conference, Stockholm June 1998. LNF-98/023 (P) July 1998.

- [C25] G. Di Pirro, A. Drago, A. Ghigo, G. Mazzitelli, M. Preger, F. Sannibale, M. Serio, G. Vignola.
The DAΦNE luminosity monitor.
Beam Instrumentation Workshop 98, Stanford May, 1998. AIP Conference Proceedings 451.
- [C24] A. Stella, A. Drago, A. Ghigo, F. Marcellini, C. Milardi, F. Sannibale, M. Serio, C. Vaccarezza.
Beam position monitor system of DAΦNE.
Beam Instrumentation Workshop 98, Stanford May, 1998. AIP Conference Proceedings 451.
- [C23] A. Ghigo, C. Biscari, O. Coiro, G. Di Pirro, A. Drago, A. Gallo, F. Marcellini, G. Mazzitelli, C. Milardi, F. Sannibale, M. Serio, A. Stecchi, A. Stella, G. Vignola, M. Zobov.
DAΦNE beam instrumentation.
Beam Instrumentation Workshop 98, Stanford May, 1998. AIP Conference Proceedings 451.
- [C22] G. Vignola, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, S. Chen, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, A. Gallo, N. Ganlin, A. Ghigo, S. Guiducci, Y. He, R. Huang, F. Marcellini, M. R. Masullo, G. Mazzitelli, C. Milardi, M. Modena, L. Palumbo, L. Pellegrino, M. Preger, G. Raffone, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, A. Stella, C. Vaccarezza, M. Vescovi, M. Zobov.
Status of DAΦNE project
Advanced ICFA Beam Dynamics Workshop on Beam Dynamics Issues for e⁺e⁻ Factories, Frascati October 1997. Frascati Physics Series 10 1998.
- [C21] R. Boni, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, M. Migliorati, F. Sannibale, M. Serio, A. Stella, G. vignola, M. Zobov.
Bunch lenght and phase shift measurements on DAΦNE Accumulator.
3rd European Workshop on beam Diagnostics and Instrumentation for Particle ACcelerators, Frascati October 1997. LNF-97/048 (IR) 19 December 1997.
- [C20] M.Serio, M.Bassetti, M. Biagini, C.Biscari, R.Boni, M Boscolo, S.Chen, V.Chimenti, A.Clozza, G.Delle Monache, S.De Simone, A.Drago, G.Di Pirro, S.Faini, A.Gallo, A.Ghigo, S.Guiducci, Y. He, R.Huang, F. Marcellini, C. Marchetti, M. R. Masullo, G. Mazzitelli, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, Pellegrino, Preger, Raffone, R. Ricci, C. Sanelli, F. Sannibale, F.Sgamma, B.Spataro, A.Stecchi, A.Stella, C.Vaccarezza, M.Vescovi, G. Vignola, M. Zobov.
Operational experience with DAΦNE beam diagnostics.
3rd European Workshop on beam Diagnostics and Instrumentation for Particle ACcelerators, Frascati October 1997. LNF-97/048 (IR) 19 December 1997.
- [C19] A. Drago, G. Di Pirro, A. Ghigo, F. Sannibale, M. Serio.
The DAΦNE timing systsem.
5th European Particle Accelerator Conference, Sitges June 1996.
- [C18] F. Sannibale, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, S. Chen, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, H. Dong, S. Faini, A. Gallo, N. Ganlin, A. Ghigo, S. Guiducci, Y. He, F. Marcellini, C. Marchetti, M. R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, Pellegrino, Preger, Raffone, C. Sanelli, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, C. Vaccarezza, M. Vescovi, S. Vescovi, G. Vignola, D. Yao, M. Zobov.
First results of the DAΦNE Injection system commissioning.
5th European Particle Accelerator Conference, Sitges June 1996.
- [C17] G. Vignola, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, S. Chen, V. Chimenti, A. Clozza, G. Delle Monache, S. De Simone, A. Drago, G. Di Pirro, H. Dong, S. Faini, A. Gallo, N. Ganlin, A. Ghigo, S. Guiducci, Y. He, F. Marcellini, C. Marchetti, M. R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, Pellegrino, Preger, Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, C. Vaccarezza, M. Vescovi, S. Vescovi, D. Yao, M. Zobov.
DAΦNE the first Φ-factory.
5th European Particle Accelerator Conference, Sitges June 1996.

- [C16] A. Ghigo, F. Sannibale, M. Serio, C. Vaccarezza.
The DAΦNE beam position monitors.
Beam Instrumentation Workshop 96, Argonne, May 1996. AIP Conference Proceedings 390.
- [C15] M. Bassetti, M. Biagini, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. DeSimone, A. Drago, G. Di Pirro, H. Dong, S. Faini, A. Gallo, A. Ghigo, S. Guiducci, Y. He, H. Hsieh, F. Marcellini, C. Marchetti, M. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, L. Pellegrino, M. Preger, H. Qu, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, L. Trasatti, C. Vaccarezza, M. Vescovi, S. Vescovi, G. Vignola, D. Yao, M. Zobov.
DAΦNE, the electron positron Phi-Factory at INFN - Frascati
1995 International Europhysics Confer. on High Energy Physics, Bruxelles, Belgium, July 1995.
- [C14] K. Whitam, H. Anamkath, J. Edighoffer, K. Fleckner, E. Gower, S. Lyons, D. Nett, D. Palmer, R. Sheppard, S. Sutter, P. Treas, T. Zante, R. Miller, R. Boni, H. Hsieh, F. Sannibale, M. Vescovi, G. Vignola.
Installation and Commissioning of the e⁺/e⁻ Injector for DAΦNE at Frascati.
1995 IEEE Particle Accelerator Conference and VII International Conference on High Energy Accelerators, Dallas May 1995.
- [C13] G. Vignola, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. De Simone, A. Drago, G. Di Pirro, H. Dong, S. Faini, A. Gallo, A. Ghigo, S. Guiducci, Y. He, H. Hsieh, F. Marcellini, C. Marchetti, M. R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, L. Pellegrino, M. Preger, H. Qu, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, L. Trasatti, C. Vaccarezza, M. Verola, M. Vescovi, S. Vescovi, D. Yao, M. Zobov.
DAΦNE Status and Plans.
1995 IEEE Particle Accelerator Conference and VII International Conference on High Energy Accelerators, Dallas May 1995.
- [C12] G. Vignola, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. De Simone, A. Drago, G. Di Pirro, H. Dong, S. Faini, A. Gallo, A. Ghigo, S. Guiducci, Y. He, H. Hsieh, F. Marcellini, C. Marchetti, M.R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, L. Pellegrino, M. Preger, H. Qu, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, L. Trasatti, C. Vaccarezza, M. Verola, M. Vescovi, S. Vescovi, D. Yao, M. Zobov.
Status Report on DAΦNE.
Workshop on Physics and Detectors for DAΦNE, Frascati April 4-7, 1995. Frascati Physics Series 4 1996, ISBN 88-86409-05-02.
- [C11] A. Ghigo, F. Sannibale, M. Serio.
Synchrotron Radiation Monitor for DAΦNE.
Beam Instrumentation Workshop 94, Vancouver October, 1994. AIP Conf. Proceedings 333.
- [C10] H. Anamkath, J. Edighoffer, S. Lyons, R. Miller, D. Nett, P. Treas, K. Whitam, T. Zante, R. Miller, R. Boni, H. Hsieh, F. Sannibale, M. Vescovi, G. Vignola.
Design and Factory Test of the e⁺/e⁻ Frascati Linear Accelerator for DAΦNE.
LINAC 94, Tsukuba August, 1994.
- [C9] A. Ghigo, F. Sannibale.
Single Electron Operation Mode in DAΦNE-BTF
4th European Particle Accelerator Conference, London June 1994.
- [C8] M.E. Biagini, C. Biscari, A. Drago, A. Ghigo, S. Guiducci, H. Hsieh, C. Marchetti, M.R. Masullo, C. Milardi, M.A. Preger, F. Sannibale, M. Serio, M. Vescovi, G. Vignola.
Overview of DAΦNE Beam Diagnostics
4th European Particle Accelerator Conference, London June 1994.

- [C7] H. Anamkath, S. Lyons, R. Miller, D. Nett, P. Treas, K. Whitam, T. Zante, R. Miller, R. Boni, H. Hsieh, F. Sannibale, M. Vescovi, G. Vignola.
Design and Factory Test of the e⁺/e⁻ Frascati Linear Accelerator for DAΦNE.
4th European Particle Accelerator Conference, London June 1994.
- [C6] M.Serio, G.Vignola, S.Bartalucci, M.Bassetti, M.E Biagini, C.Biscari, R.Boni, A.Cattoni, V. Chimenti, A.Clozza, S.De Simone, A.Drago, G.Di Pirro, A.Gallo, A.Ghigo, S.Guiducci, H. Hsieh, Q.Huamin, F.Marcellini, C.Marchetti, M.R.Masullo, M.Migliorati, C.Milardi, M.Modena, L.Palumbo, L.Pellegrino, M.Preger, G.Raffone, C.Sanelli, F.Sannibale, F.Sgamma, B.Spataro, A.Stecchi, L.Trasatti, C.Vaccarezza, M.Verola, M.Vescovi, S.Vescovi, J.Wang, Y.Xiamming, H.Yu, MZobov.
Review of Φ-Factories
4th European Particle Accelerator Conference, London June 1994.
- [C5] G. Vignola, S. Bartalucci, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. De Simone, A. Drago, G. Di Pirro, A. Esposito, S. Faini, A. Gallo, A. Ghigo, S. Guiducci, Y. He, H. Hsieh, J. Lu, C. Marchetti, M. R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, R. Parodi, L. Pellegrino, M. Pelliccioni, M. Preger, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, L. Trasatti, C. Vaccarezza, M. Vescovi, S. Vescovi, J. Wang, M. Zobov.
DAΦNE, The Frascati Φ-factory.
1993 IEEE Particle Accelerator Conference, Washington May, 1993.
- [C4] K. Whitham, H. Anamkath, S. Lyons, J. Manca, R. Miller, D. Net, T. Zante, A. Kulikov, R. Miller, R. Boni, H. Hsieh, S. Kulinski, F. Sannibale, B. Spataro, M. Vescovi, G. Vignola.
Design of the e⁺/e⁻ Frascati Linear Accelerator for DAΦNE
1993 IEEE Particle Accelerator Conference, Washington May, 1993.
- [C3] G. Vignola, A. Aragona, S. Bartalucci, M. Bassetti, M.E. Biagini, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. De Simone, D. Di Gocchino, G. Di Massa, G. Di Pirro, A. Esposito, S. Faini, R. Fedele, G. Felici, A. Gallo, A. Ghigo, S. Guiducci, H. Hsieh, S. Kulinski, C. Marchetti, M. R. Masullo, M. Migliorati, C. Milardi, M. Modena, L. Palumbo, R. Parodi, M. Pelliccioni, M. Preger, G. Qiao, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, L. Trasatti, C. Vaccarezza, V. Vaccaro, L. Verolino, M. Vescovi, S. Vescovi, J. Wang, M. Zobov.
Status of DAΦNE, the Frascati Φ-Factory.
XXVI International Conference on High Energy Physics, Dallas 6-12 August 1992.
- [C2] M.Serio, A.Aragona, S.Bartalucci, M.Bassetti, M.E.Biagini, C.Biscari, R.Boni, A.Cattoni, V.Chimenti, A.Clozza, S.De Simone, D.Di Gocchino, G.Di Massa, G.Di Pirro, A.Esposito, S.Faini, R.Fedele, G.Felici, A.Gallo, A.Ghigo, S.Guiducci, H.Hsieh, S.Kulinski, C.Marchetti, M.R.Masullo, M.Migliorati, C.Milardi, M.Modena, L.Palumbo, R.Parodi, M.Pelliccioni, M.Preger, G.Qiao, G.Raffone, C.Sanelli, F.Sannibale, F.Sgamma, B.Spataro, A.Stecchi, T.Tanabe, L.Trasatti, C.Vaccarezza, V.Vaccaro, L.Verolino, M.Vescovi, S.Vescovi, G.Vignola, J.Wang, M.Zobov
Overview of DAΦNE, the Frascati Φ-Factory.
VI International Conference on High Energy Accelerators, Hamburg 20-24 July 1992.
- [C1] M.E. Biagini, A. Aragona, S. Bartalucci, M. Bassetti, C. Biscari, R. Boni, A. Cattoni, V. Chimenti, A. Clozza, S. De Simone, D. Di Gocchino, G. Di Pirro, A. Esposito, S. Faini, R. Fedele, G. Felici, A. Gallo, A. Ghigo, S. Guiducci, H. Hsieh, S. Kulinski, M. R. Masullo, C. Milardi, M. Modena, L. Palumbo, M. Pelliccioni, M. Preger, G. Qiao, G. Raffone, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, B. Spataro, A. Stecchi, T. Tanabe, L. Trasatti, C. Vaccarezza, V. G. Vaccaro, L. Verolino, M. Vescovi, S. Vescovi, G. Vignola, J. Wang, M. Zobov.
DAΦNE Status Report.
3rd European Particle Accelerator Conference, Berlin 24-28 March 1992.

T) Selected Technical Notes (in reverse chronological order).

- [T24] J. Staples, F. Sannibale, S. Virostek.
VHF-band Photoinjector.
CBP Tech Note 366. Berkeley, October 26, 2006.
- [T23] M. Zolotarev, E. D. Commins, and F. Sannibale.
Theory and proposal for a quantum-degenerate electron source.
LBNL Formal Report LBNL-61587. Berkeley, September 11, 2006.
- [T22] C. Biscari, J. M. Byrd, M. Castellano, M. Cestelli Guidi, A. Gallo, A. Ghigo, A. Marcelli, F. Marcellini, M. C. Martin, G. Mazzitelli, C. Milardi, P. Morini, M. Piccinini, M. Preger, P. Raimondi, D. Sali, F. Sannibale, M. Serio, M. Zobov.
Terahertz Coherent Synchrotron Radiation at DAΦNE.
DAΦNE Technical Note G-61. Frascati, July 28, 2004.
- [T21] S. De Santis, J. M. Byrd, D. Li, F. Sannibale.
Longitudinal Impedance Measurements of the CIRCE Arc Vacuum Chamber.
CIRCE Note LSCN-IF-1. Berkeley, November 19, 2003.
- [T20] F. Sannibale.
Experimental error analysis of a possible measurement of the emittance and momentum spread at the ALS.
Advanced Light Source Note LSAP-301. Berkeley, May, 2003.
- [T19] F. Sannibale
Driving Beam Delay Loop Design for CTF3.
CTF3 Note 2001-023, Geneva, Switzerland, June 18, 2001.
CTFF3-001 Note, Frascati, Italy, April 4, 2001.
- [T18] G. Mazzitelli, F. Sannibale, F. Cervelli, T. Lomtadze, M. Serio, G. Vignola.
Single Bremsstrahlung Luminosity Measurements at DAΦNE.
DAΦNE Technical Note BM-7. Frascati, April 12, 2001.
- [T17] C. Biscari, R. Boni, M. Boscolo, A. Clozza, G. Delle Monache, A. Drago, G. Di Pirro, A. Gallo, A. Ghigo, S. Guiducci, F. Marcellini, G. Mazzitelli, C. Milardi, L. Pellegrino, M. Preger, R. Ricci, C. Sanelli, F. Sannibale, M. Serio, F. Sgamma, A. Stecchi, A. Stella, C. Vaccarezza, G. Vignola, M. Zobov.
DAΦNE Beam-beam Measurements.
DAΦNE Technical Note BM-4. September 28, 1999.
- [T16] M. Zobov, A. Gallo, A. Ghigo, F. Marcellini, M. Migliorati, F. Sannibale, M. Serio.
Transverse mode coupling instability in the DAΦNE Accumulator ring.
DAΦNE Technical Note G-50. Frascati, May 22, 1998.
- [T15] A. Ghigo, R. Huang, F. Sannibale.
Optical analysis of the synchrotron radiation monitors in DAΦNE .
DAΦNE Technical Note CD-9. Frascati, July 28, 1997.
- [T14] F. Sannibale, M. Vescovi, R. Boni, F. Marcellini, G. Vignola.
DAΦNE Linac commissioning results.
DAΦNE Technical Note BM-2. Frascati, April 4, 1997.
- [T13] R. Boni, A. Drago, A. Gallo, A. Ghigo, F. Marcellini, M. Migliorati, F. Sannibale, M. Serio, A. Stella, G. Vignola, M. Zobov.
Bunch lengthening and impedance measurements and analysis in DAΦNE Accumulator Ring.
DAΦNE Technical Note BM-1. Frascati, March 10, 1997.

- [T12] G. Di Pirro, A. Drago, A. Ghigo, F. Sannibale, M. Serio, M. Vescovi.
DAΦNE timing states update.
DAΦNE Technical Note CD-8. Frascati, February 25, 1997.
- [T11] A. Drago, A. Ghigo, F. Sannibale, M. Serio, M. Vescovi.
DAΦNE timing states
DAΦNE Technical Note CD-4. Frascati, September 6, 1995.
- [T10] A. Ghigo, F. Sannibale.
DAΦNE Main Rings synchrotron radiation monitors design criteria.
DAΦNE Technical Note CD-3. Frascati, September 16, 1994.
- [T9] O. Coiro, F. Sannibale, M. Serio.
Measurement of the vacuum chamber effects on time varying field magnet .
DAΦNE Technical Note CD-2. Frascati, July 8, 1993.
- [T8] C. Biscari, F. Sannibale.
Multipolar field effects on DAΦNE transferlines for a $\Delta G/G \leq 10^{-2}$.
DAΦNE Technical Note I-11. Frascati, December 10, 1992.
- [T7] M.R. Masullo, F. Sannibale.
Multipole random errors in DAΦNE Main Rings.
DAΦNE Technical Note L-5. Frascati, November 12, 1992.
- [T6] F. Sannibale.
DAΦNE-LINAC beams emittance measurement design.
DAΦNE Technical Note LC-5. Frascati, September 3, 1992.
- [T5] C. Biscari, F. Sannibale.
Tolerances and correction scheme in DAΦNE Transfer Lines.
DAΦNE Technical Note I-10. Frascati, June 18, 1992.
- [T4] S. Kulinski, F. Sannibale, M. Vescovi.
Some remarks on DAΦNE positron LINAC focusing.
DAΦNE Technical Note LC-4. Frascati, March 13, 1992.
- [T3] F. Sannibale, M. Vescovi.
LINAC to Accumulator Area Transferline (LAAT) & DAΦNE-LINAC Spectrometer (DLS).
DAΦNE Technical Note LC-3. Frascati, February 1, 1992.
- [T2] F. Sannibale, G. Vignola.
DAΦNE-LINAC Test Beam.
DAΦNE Technical Note LC-2. Frascati, October 29, 1991.
- [T1] F. Sannibale.
Misuratore di emittanza, con il metodo pepper-pot, per fasci di elettroni generati da cannoni ad alta perversanza.
ENEA Technical Report RTI/INN(90)-16. September 1990.

SELECTED PRESENTATIONS (in reverse chronological order).

P50- April 7 and 24, 2023, **Seminar** with title *High-Brightness Electron Injectors for High-Duty-Cycle X-Ray Free Electron Lasers (Part 1 and Part 2)*, at FRIB APES Seminar, Michigan State University.

P49- October 3, 2019, **Tutorial talk** with title *The Machine*, at 2019 ALS Users' Meeting, at the Lawrence Berkeley National Laboratory.

P48- December 3, 2018, **Seminar** with title *The VHF-Gun Electron, an electron source optimized for high-brightness, high-duty-cycle applications*, at INFN-LNF, Frascati, Italy.

P47- November 1, 2018, **Invited talk** with title *Compensation of emittance and beam size variations induced by insertion devices*, at the 2018 BES Light Sources Beam Stability Workshop at the Lawrence Berkeley National Laboratory, November 1, 2018.

P46- May 2, 2018, **Contributed talk** with title *Compensation of insertion device induced emittance variations in ultralow emittance storage rings*, at the 2018 International Particle Accelerator Conference, Vancouver, BC, Canada, May 2018.

P45- November 8, 2017, **Seminar** with title *The VHG-Gun Electron Source Scheme: a Recipe for a High-Brightness, High-Repetition Rate Performance*, APS ASD Seminar, Argonne National Laboratory, Argonne, IL USA.

P44- August 23, 2017, **Contributed talk** with title *Higher Fields and Beam Energies in CW Room-Temperature VHF RF guns*, 2017 Free Electron Laser Conference, Santa Fe, NM, USA.

P43- August 10, 2017, **Invited talk** with title *Electron Gun Options for High Repetition Rate XFELs*, High Repetition-Rate XFEL Physics and Technology Workshop, Shanghai, China.

P42- November 2, 2016, **Seminar** with title *The Pursuit of Brightness*, ALS/CXRO Seminar, Lawrence Berkeley National Laboratory, Berkeley, CA USA.

P41- October 11, 2016, **Invited talk** with title *Overview of Electron Source Development for High Repetition Rate FEL Facilities*, 2016 North America Particle Accelerator Conference, Chicago IL, USA.

P40- September 13, 2016, **Seminar** with title *APEX, the Advanced Photo-injector EXperiment at the Lawrence Berkeley National Laboratory*, SINAP Zhangjiang campus, Shanghai, China.

P39- May 10, 2016, **Contributed talk** with title *APEX Phase-II Commissioning Results at the Lawrence Berkeley National Laboratory*, at the 2016 International Particle Accelerator Conference, Busan, South Korea, May 2016.

P38- March 22, 2016, **Invited talk** with title *The VHF-Gun, the LBNL High-Brightness Electron Photo-Injector for MHz-Class Repetition-Rate Applications*, at OSA 2016 High-Brightness Sources and Light-Driven Interactions Congress, Long Beach, CA, US, March 2016.

P37- April 16, 2015, **Contributed talk** with title *Tests of Photocathodes for High Repetition Rate x-ray FELs at the APEX facility at LBNL*, at SPIE, Advances in X-Ray FEL Instrumentation, Prague, Czech Republic, April 16, 2015.

P36- November 2014, **Invited talk** on *APEX cathode test results and dark current characterization* at the P3 Photocathode workshop in Berkeley, CA.

P35- October 2, 2013: **Invited talk**, with title *Recent Results from the APEX Project at LBNL*, at 2013 National Particle Accelerator Conference, Pasadena CA, USA.

P34- July 15, 2013: **Seminar**, with title *APEX, The Advanced Photoinjector Experiment*, LNLS Seminar, Campinas, Brazil.

- P33- June 3, 2013, **Invited plenary talk**, with title *High-brightness high-duty cycle electron injectors*, at the 1st European Advanced Accelerator Concepts Workshop (EAAC2013), La Biodola, Isola d'Elba, Italy.
- P32- August 31, 2012, **Contributed talk**, with title *A Next Generation Light Source at LBNL*, 2012 International Free Electron Laser Conference, Nara, Japan.
- P31- May 25, 2012, **Invited talk**, with title *Overview of Recent Progress on High Repetition Rate, High Brightness Electron Guns*, 2012 International Particle Accelerator Conference, New Orleans LA, USA.
- P30- April 26, 2012, **Seminar**, with title *APEX: A Normal-Conducting Low-Frequency RF Photo-Injector for the Next Generation Light Source*, RPM Seminar, LBNL Physics Division – Berkeley CA, USA.
- P29- August 23, 2011, **Invited Tutorial talk**, with title *High brightness electron injectors for 4th generation light sources*, 2011 Free Electron Laser Conference - Shanghai, China.
- P28- June 3, 2011, **Colloquium**, with title *Design Studies for a Next Generation Light Source Facility*, Naval Postgraduate School, Monterey CA, US.
- P27- June 29, 2010, **Seminar** with title *A normal conductive RF photo-injector for high repetition rate X-ray free electron lasers*, Cornell University - Ithaca, NY, US.
- P26- February 8, 2010, **Seminar**, with title *A normal conductive RF photo-injector for high repetition rate X-ray free electron lasers*, DESY - Zeuthen Seminar, Berlin, Germany.
- P25- November 18, 2009, **Invited Talk**, with title *High Average Power, High Brightness Electron Beam Sources*, at the 47th ICFA Advanced Beam Dynamics Workshop “The Physics and Applications of High Brightness Electron Beams” - Maui, Hawaii, USA, November 2009.
- P24- August 26, 2009, **Contributed talk**, with title *Status and Plans for the LBNL Normal-Conducting CW VHF Photo-Injector*, at the 2009 FEL conference, Liverpool, U.K., August 2009.
- P23- May 26, 2009, **Invited talk**, with title *Highlights from the 13th Beam Instrumentation Workshop*, at the 2009 DIPAC conference, Basel, Switzerland, May 2009.
- P22- April 17, 2009, **Seminar**, with title *The LBNL CW normal-conducting RF photo-injector*, Brookhaven national Laboratory, Upton, NY, USA.
- P21- July 10, 2008, **Seminar**, with title *Coherent Synchrotron Radiation Studies at the Advanced Light Source and the IKNO proposal*, Laboratori Nazionali di Frascati dell'INFN, Frascati, Italy.
- P20- June 25, 2008, **Contributed talk**, with title *First experimental results from DEGAS, the quantum limited brightness electron source*, at the 2008 European Particle Accelerator Conference, Genoa, Italy, June 2008.
- P19- June 17, 2008, **Seminar**, with title *A CW normal-conductive RF gun for FEL and ERL applications*, Argonne National Laboratory, Argonne, IL USA.
- P18- June 2, 2008, **Invited talk**, with title *Non Destructive Transverse Profile Monitors*, at the Instrumentation Workshop for ERL @ CSR, Ithaca, NY USA, June 2008.
- P17- May 8, 2008, **Invited talk**, with title *Recent beam measurements and new instrumentation at the Advanced Light Source*, at the 2008 Beam Instrumentation Workshop, Tahoe City, CA USA, June 2008.

- P16- June 28, 2007, **Contributed talk** at the 2007 Particle Accelerator Conference in Albuquerque, New Mexico with title: *Absolute Bunch Length Measurements at the ALS by Incoherent Synchrotron Radiation Fluctuation Analysis*.
- P15- November 17, 2006, **Seminar** at the Center for Beam Physics of the AFRD Division of the Lawrence Berkeley National Laboratory with title: *Coherent synchrotron radiation studies at the Advanced Light Source*.
- P14- August 19, 2005, **Invited talk** at the Workshop on Production and Applications of High Peak Power, Short Pulse, THz Radiation at SLAC with title: *Schemes for generating THz radiation*.
- P13- June 10, 2005, **Seminar** at the SLAC Theory Club Meeting with title: *THz Coherent Synchrotron Radiation from the 'Femt slicing' Experiment at the ALS*
- P12- October 16, 2003, **Seminar** with title *Producing high power, broadband terahertz coherent synchrotron radiation in storage rings*, at SLAC, Stanford, CA, USA.
- P11- July 9, 2003, **Contributed talk** with title *CIRCE: a dedicated storage ring for Far-IR THz coherent synchrotron radiation*, at the 2003 International Workshop on Infrared Microscopy and Spectroscopy with Accelerator Based Sources (WIRM 2003), Lake Tahoe, CA, USA.
- P10- October 28, 2002, **Contributed talk**, with title *Analysis of the BESSY II Results: Bunch Distortion Effects*, at the Coherent Synchrotron Radiation Workshop, Napa, CA, USA.
- P9- October 17, 2001, **Contributed talk**, with title *A dedicated storage ring for IR and Far-IR Synchrotron Radiation at the ALS*, at the 2001 ALS Users' Meeting IR Workshop, LBNL Berkeley, CA, USA.
- P8- June 28, 2000, **Contributed talk**, with title *Beam measurements for luminosity optimization in DAΦNE*, at EPAC2000, Vienna, Austria.
- P7-February 21, 2000, **Seminar** with title *Luminosity*, at Seminars on DAΦNE, LNF INFN Frascati, Italy.
- P6- December 16, 1999, **Contributed talk**, with title *Beam measurements for luminosity performances*, at the Japan-Italy Symposium on Beam Physics Related to High Luminosity Meson Factories, LNF INFN Frascati, Italy.
- P5- May 17, 1999, **Contributed talk**, with title *Luminosity optimization in DAΦNE*, at DIPAC99, Chester, UK.
- P4- November 12, 1998, **Oral presentation** of the *DAΦNE Project Overview* at the 17^o LNF Scientific Committee. LNF INFN Frascati, Italy
- P3- September 1998, **Invited talk** with title *Prestazioni di DAΦNE (DAΦNE Performances)* at the LXXXIV National Congress of the Italian Physics Society, Salerno, Italy.
- P2- September 1994, **Invited talk** with title *Il linac di DAΦNE (The DAΦNE Linac)* at the LXXX National Congress of the Italian Physics Society, Lecce, Italy.
- P1- June 19, 1990, **Seminar** with title *Misura dell'emittanza, con il metodo del "pepper-pot", di fasci di elettroni generati da cannoni elettronici ad alta perveanza (Emittance measurement, with the pepper-pot method, on electron beams generated by high perveance guns)*, at l'ENEA Centro Ricerche Energia Frascati, Italy.