

Geoffrey Krafft's Publications
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1. **A Test Facility for MEIC ERL-Circulator-Ring Based Electron Cooler**
Y. Derbenev, D. Douglas, A. Hutton, G. Krafft, Y. Zhang
Abstract compiled for IPAC 2012
2. **Scaled Electron Model of a Dogbone Muon RLA with Multi-Pass ARCS**
S.A. Bogacz, A.M. Hutton, G.A. Krafft, V.S. Morozov, Y.R. Roblin, K.B. Beard, R.P. Johnson
Proceedings of 2012 International Particle Accelerator Conference, (New Orleans, LA, 2012), pp. 235-237.
3. **Electric Field Profile Variation Study for a RF Gun Based Injector**
A. Hofler, G. Krafft
Abstract compiled for IPAC 2012
4. **Electron Cloud Driven Beam Instabilities for MEIC**
S. Ahmed, B. Yunn, J. Dolph, T. Satogata, G. Krafft
Abstract compiled for IPAC 2012
5. **Impedance Budget for Crab Cavity in MEIC Electron Ring**
S. Ahmed, B. Yunn, G.A. Krafft
Proceedings of 2012 International Particle Accelerator Conference, (New Orleans, LA, 2012), pp. 3153-3155.
6. **High Power Test of RF Separator for 12 GeV Upgrade of CEBAF at Jefferson Lab**
S. Ahmed, M. Wissmann, J. Mammoser, M. Spata, C. Hovater, G.A. Krafft, J.R. Delayen
Proceedings of 2012 International Particle Accelerator Conference, (New Orleans, LA, 2012), pp. 4032-4034.
7. **Computational Modeling of Electron Cloud for MEIC**
S. Ahmed, J.D. Dolph, G.A. Krafft, T. Satogata, B.C. Yunn
Proceedings of 2012 International Particle Accelerator Conference, (New Orleans, LA, 2012), pp. 1383-1385.
8. **MEIC Design Progress**
S. Ahmed, Y. Derbenev, G.A. Krafft, R. Li, F. Lin, V.S. Morozov, E. Nissen, T. Satogata, B. Terzic, B.C. Yunn, Y. Zhang, et al.
Proceedings of 2012 International Particle Accelerator Conference, (New Orleans, LA, 2012), pp. 2014-2016.
9. **Precision Absolute Beam Current Measurement of Low Power Electron Beam**
M.M. Ali, M.E. Bevins, P. Degtiarenko, A. Freyberger, G.A. Krafft
Proceedings of 2012 Beam Instrumentation Workshop, (Newport News, VA, 2012), pp. 1-3.
10. **Beam Dynamics Studies for Transverse Electromagnetic Mode Type RF Deflectors**
S. Ahmed, G. Krafft, K. Deitrick, S. DeSilva, J. Delayen, M. Spata, M. Tiefenback, A. Hofler, K. Beard
Phys.Rev.ST Accel.Beams **15**, 022001 (2012).
11. **Study of Electron Cloud for MEIC**
S. Ahmed, B. Yunn, J. Dolph, T. Satogata, G. Krafft
Proceedings of 2011 International Particle Accelerator Conference, (San Sebastian, Spain, 2011), pp. 817-819.
12. **Dual AC Dipole Excitation for the Measurement of Magnetic Multipole Strength from Beam Position Monitor Data**
M. Spata, G. Krafft
Proceedings of 2011 International Particle Accelerator Conference, (San Sebastian, Spain, 2011), pp. 2865-2867.
13. **Crab Crossing Schemes and Studies for Electron Ion Collider**
S. Ahmed, Y. Derbenev, V. Morozov, A. Castilla Loeza, G. Krafft, B. Yunn, Y. Zhang, J. Delayen
Compiled for IPAC 2011
14. **Design Status of MEIC at JLab**
Y. Zhang, S. Ahmed, A. Bogacz, Y. Derbenev, G. Krafft, R. Li, V. Morozov, Y. Robin, T. Satogata, M. Spata, B. Terzic, M. Tiefenback, B. Yunn, et al.
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 2306-2308.
15. **An Accumulator/Pre-Booster for the Medium-Energy Electron Ion Collider at JLab**
B. Erdelyi, S. Manikonda, P. Ostroumov, S. Abeyratne, Y. Derbenev, G. Krafft, Y. Zhang
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1873-1875.
16. **Beam Dynamics and Instabilities in MEIC Design**
S. Ahmed, G. Krafft, B. Yunn
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1630-1633.

17. **[Beam Dynamics Studies of Parallel-Bar Deflecting Cavities](#)**
S. Ahmed, G. Krafft, K. Detrick, S. De Silva, J. Delayen, M. Spata, M. Tiefenback, A. Hofler, K. Beard
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011) pp. 790-792.
18. **[Beam Breakup Studies for New Cryo-Unit](#)**
S. Ahmed, I. Shin, R. Kazimi, F. Marhauser, F. Hannon, G. Krafft, B. Yunn, A. Hofler
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1633-1635.
19. **[Crab Crossing Consideration for MEIC 2](#)**
S. Ahmed, Y. Derbenev, G. Krafft, Y. Zhang, A. Castilla Loeza, J. Delayen, P. De Silva
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1627-1629.
20. **[Computational Modeling of Electron Cloud for ELIC Design](#)**
S. Ahmed, B. Yunn, G. Krafft
Poster compiled for PAC 2011
21. **[Beam Dynamics Analysis Using SVD Method](#)**
S. Ahmed, M. Spata, Y. Roblin, G. Krafft
Poster compiled for PAC 2011
22. **[Proof-of-Principle Experiment for FEL-Based Coherent Electron Cooling](#)**
V. Litvinenko, G. Krafft, et al.
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 2064-2066.
23. **[Crab Crossing Consideration for MEIC 2](#)**
S. Ahmed, Y. Derbenev, G. Krafft, Y. Zhang, A. Castilla Loeza, J. Delayen, P. De Silva
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1627-1629.
24. **[Beam Dynamics and Instabilities in MEIC Design](#)**
S. Ahmed, G. Krafft, B. Yunn
Proceedings of 2011 Particle Accelerator Conference, (New York, NY, 2011), pp. 1630-1633.
25. **[CEBAF Accelerator Achievements](#)**
Y. Chao, M. Drury, J. Hovater, A. Hutton, G. Krafft, B. Poelker, C. Reece, M. Tiefenback
J.Phys. Conf. Ser. **299** 012015 (2011).
26. **[Gluons and the Quark Sea:Distributions,Polarization, Tomography](#)**
D. Boer, M. Diehl, Shahid Ahmed, Alex Bogacz, Geoffrey Krafft, T. Satogata, B. Terzic, B. Yunn, Y.Zhang, et al.
Report on the Joint BNL/INT/Jlab Program on the Science Case for an Electron-Ion Collider, September 13 - November 19, 2010, Institute for Nuclear Theory, Seattle
27. **[X-Ray Sources by Energy Recovered Linacs and their Needed R&D](#)**
G. Krafft, S. Benson, M. Borland, D. Douglas, D. Dowell, C. Hernandiz-Garcia, Dmitry Kayran, R. Legg, E. Moog, T. Obina, R. Rimmer, V. Yakimenko
Nucl. Instrum. Meth. A **637** (1) 1 (2011).
28. **[Performance Evaluation of Undulator Radiation at CEBAF](#)**
C. Liu, G. Krafft, G. Wang
Paper, proceedings IPAC 2010, Kyoto, Japan, 23-28 May 2010, p.3207
29. **[Novel Crab Cavity RF Design](#)**
N. Neubauer, R. Sah, A. Dudas, B. Rimmer, G. Krafft
Proceedings IPAC 2010, Kyoto, Japan, 23-28 May 2010, p.3031
30. **[Compton Sources of Electromagnetic Radiation](#)**
G. Krafft, G. Priebe
Published Reviews of Accelerator Science and Technology, Vol. 3, (2010)
31. **[Compton Sources in Handbook for Accelerator Physics](#)**
G. Krafft
Published in Handbook of Accelerator Physics and Engineering
32. **[Accelerator Summary](#)**
G. Krafft
Invited Talk, 1st International Conference on Accelerator Driving Sub-Critical Reactors, Blacksburg, VA, 27-29 September 2010
33. **[Laser Processing on the Surface of Niobium Superconducting](#)**
S. Singaravelu, J. Klopf, G. Krafft, M. Kelley
Abstract compiled for APS 2011 March Meeting

34. **BARC-Jlab Collaboration on Electron Linacs as Potential ADS Drivers**
 A. Hutton, G. Krafft, G. Myneni, B. Rimmer
 Abstract compiled for AccApp 2011
35. **Electron-Ion Collider at Jefferson Lab**
 G. Krafft
 Invited Talk, EIC International Advisory Committee Meeting for Electron Ion Collider
36. **Electron Ion Collider at Jefferson Lab**
 G. Krafft
 Invited Talk, Jlab Users Meeting
37. **MEIC Machine Design Status**
 G. Krafft, Y. Zhang
 Invited Talk, CUA Lecture
38. **Accelerators for America's Future**
 G. Krafft, C. De Jager
 Invited Talk, Accelerators for America's Future
39. **EIC Machine Design Status and Progress (ELIC/MEIC)**
 G. Krafft
 Invited Talk, EIC Meeting Catholic University
40. **Compton Backscattering Concept for the Production of Molybdenum-99**
 N. Merminga, G. Krafft
 Proceedings Particle Accelerator Conference 2009, Vancouver, Canada, 4-8 May 2009, p.1327
41. **Recent Progress on Design Studies of a High-Luminosity Ring-Ring Electron-Ion Collider at CEBAF**
 A. Bogacz, A. Bruell, P. Chevtsov, Y. Derbenev, R. Ent, G. Krafft, R. Lui, N. Merminga, B. Yunn, Y. Zhang
 Proceedings Particle Accelerator Conference 2009, Vancouver, Canada, 4-8 May 2009, p.2652
42. **Opportunities for a Low to Medium Energy Electron-Ion Collider Based on CEBAF and Staging Approach to ELIC**
 A. Bogacz, Y. Derbenev, T. Horn, A. Hutton, C. Hyde, G. Krafft, A. Thomas, C. Weiss, Y. Zhang, F. Klein, P. Nadel-Turonski
 Abstract Compiled for PAC09
43. **Electron Spin Matching for ELIC, a High Luminosity Ring-Ring Electron-Ion Collider**
 A. Bogacz, Y. Derbenev, G. Krafft, Y. Zhang, D. Barber, P. Chevtsov
 Abstract Compiled for PAC09
44. **ComPASS Beam Dynamics Work Plan for Jefferson Lab**
 Y. Zhang, B. Terzic, R. Li, Y. Derbenev, G. Krafft, B. Yunn
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45. **Observation and Mitigation of Multipass BBU in CEBAF**
 R. Kazimi, A. Freyberger, M. Tiefenback, J. Hovater, C. Tenant, T. Plawski, F. Marhauser, C. Reece, G. Krafft, H. Wang, J. Sekutowicz
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46. **Energy Recovered Linacs**
 G. Krafft
 Abstract Compiled for LINAC2008
47. **Electron Spin Rotation and Matching Scheme for ELIC, a High-Luminosity Ring-Ring Electron-Ion Collider**
 A. Bogacz, Y. Zhang, P. Chevtsov, G. Krafft, Y. Derbenev
 Talk compiled for SPIN2008
48. **Design Studies of High-Luminosity Ring-Ring electron-ion collider at CEBAF**
 Alex Bogacz, Yuhong Zhang, Antje Bruell, Jean Delayen, Yaroslav Derbenev, Rolf Ent, Joseph Grames, Andrew Hutton, Geoffrey Krafft, Rui Li, Nikolita Merminga, Bernard Poelker, Bogdan Wojtsekowski, Byung Yunn, C. Montag
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49. **Advances on ELIC Design Studies**
 Alex Bogacz, Pavel Chevtsov, Yaroslav Derbenev, Pavel Evtushenko, M. Hutton, Geoffrey Krafft, Rui Li, Nikolitsa Merminga, John Musson, Byung Yunn, Yuhong Zhang, Yi Qiang, H. K. Sayed
 Proceedings European Particle Accelerator Conference 2008, Genoa, Italy, 22-27 June 2008, p.2632
50. **Design Studies of High-Luminosity Ring-Ring Electron-Ion Collider at CEBAF**
 Alex Bogacz, Paul Brindza, Slava Derbenev, Antje Bruell, Yaroslav Derbenev, Rolf Ent, Geoffrey Krafft, Nikolitsa Merminga, John Musson, Bogdan Wojtsekowski, Byung Yunn, Yuhong Zhang, Ji Qiang, Rui Li
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51. [**High Brightness Beam Applications: Energy Recovered Linacs**](#)
G. Krafft
Invited Talk, High Brightness Beams Workshop. Published in Int.J.Mod.Phys.A22:3852-3863, (2007)
52. [**Design Studies of High-Luminosity Ring-Ring Electron-Ion Collider at CEBAF**](#)
Alex Bogacz, Yuhong Zhang, Antje Bruell, Jean Delayen, Yaroslav Derbenev, Rolf Ent, Joseph Grames, Andrew Hutton, Geoffrey Krafft, Rui Li, Nikolita Merminga, Bernard Poelker, Bogdan Wojtsekowski, Byung Yunn, C. Montag
Proceedings Particle Accelerator Conference 2007, Albuquerque, NM 25-29 June 2007, p. 1935
53. [**Performance achievements and challenges for FELs based on energy recovery linacs**](#)>
G. Krafft
Talk, Free Electron Laser Conference, Berlin, Germany, 27 Aug-1 Sep 2006. Published in "Berlin 2006, Free electron laser" 252-256
54. [**Concepts for ELIC - A High Luminosity CEBAF Based Electron-Light Ion Collider**](#)
Y. Derbenev, A. Bogacz, G. Krafft, R. Li, N. Merminga, B. Yunn, Y. Zhang
Invited Talk, proceedings RUPAC 2006, Novosibirsk, Russia, 10-14 September 2006, p.10-12
55. [**Phase Transfer Measurements at the Jefferson Lab Recirculated Linacs**](#)
G. Krafft, J. Hovater, B. Bowling, M. Crofford
Invited Talk, Energy Recovering Linacs, Newport News, VA, 19-23 Mar 2005. Published in Nucl.Instrum.Meth.A557:314-317, (2006)
56. [**Spontaneous Radiation Emission from Short, High Field Strength Magnetic Devices**](#)
G. Krafft
Published in Phys.Rev.ST Accel.Beams 9:010701, (2006)
57. [**Summary Report on Synchronization, Diagnostics and Instrumentation**](#)
A. Freyberger, G. Krafft
Published in Nucl.Instrum.Meth.A557:370-373, (2006)
58. [**The 12 GeV CEBAF Upgrade Project**](#)
J. Benesch, A. Bogacz, Y. Chao, J. Grames, L. Harwood, R. Kazimi, G. Krafft, N. Merminga, E. Pozdnyev, Y. Roblin, M. Spata, M. Wiseman, B. Yunn, Y. Zhang
Abstract, Linac 2006, Knoxville, TN, 20-25 August 2006
59. [**Pulsed Laser Non Linear Thomson Scattering for General Scattering Geometries**](#)
G. Krafft, A. Doyuran, J. Rosenweig
Published in Phys.Rev.E72:056502, (2005)
60. [**Beam Physics for the 12 GeV CEBAF Upgrade Project**](#)
N. Merminga, J. Benesch, A. Bogacz, Y. Chao, A. Freyberger, J. Grames, L. Harwood, R. Kazimi, G. Krafft, M. Spata, M. Tiefenback, M. Wiseman, B. Yunn, B. Zhang
Proceedings Particle Accelerator Conference 2005, Oak Ridge, TN, 16-20 May 2005, p. 1482
61. [**ELIC at CEBAF**](#)
Yaroslav Derbenev, Alex Bogacz, Jean Delayen, Joseph Grames, Andrew Hutton, Geoffrey Krafft, Rui Li, Nikolitsa Merminga, Bernard Poelker, Byung Yunn, Yuhong Zhang, Christoph Montag
Proceedings Particle Accelerator Conference 2005, Oak Ridge, TN, 16-20 May 2005, p. 1437
62. [**Injection Options for 12 GeV CEBAF Upgrade**](#)
Reza Kazimi, Jay Benesch, Yu-Chiu Chao, Joseph Grames, Geoffrey Krafft, Michael Tiefenback, Byung Yunn, Yuhong Zhang
Proc. Particle Accelerator Conference 2005, Oak Ridge, TN, 16-20 May 2005, p. 2911
63. [**Sub-picosecond X-Rays from CEBAF at Jefferson Lab**](#)
Alex Bogacz, James Boyce, David Douglas, Andrew Hutton, Geoffrey Krafft, Nikolitasa Merminga, George Neil, Gwyn Williams
Talk, 8th International Conference on Synchrotron Radiation Instrumentation, San Francisco, CA, 25-29 Aug 2003. Also published in AIP Conf, Proc.705:29-32, (2004)
64. [**A PARMELA model of the CEBAF Injector Valid Over a Wide Range of Beam Parameters**](#)
Y. Zhang, K. Beard, J. Benesch, Y. Chao, A. Freyberger, J. Grames, R. Kazimi, G. Krafft, R. Li, N. Merminga, B. Poelker, B. Yunn
Proc. for European Particle Accelerator Conference 2004, Lucerne, Switzerland, 5-9 July 2004, p. 1515
65. [**CEBAF Injector Achieved World's Best Beam Quality for Three Simultaneous Beam with a Wide Range of Bunch Charges**](#)
R. Kazimi, K. Beard, J. Benesch, A. Freyberger, J. Grames, T. Hiatt, A. Hutton, G. Krafft, N. Merminga, B. Poelker, M. Spata, M. Tiefenback, B. Yunn, Y. Zhang
Proc. European Particle Accelerator Conference 2004, Lucerne, Switzerland, 5-9 July 2004, p. 1512
66. [**Compact High Power terahertz radiation source**](#)
G. Krafft
Prepared for EPAC 2004, Lucerne, Switzerland. Also published in Phys.Rev.ST Accel.Beams 7:060704, (2004)

67. **[Beam-Beam Simulations for an Electron-Light Ion Collider](#)**
 Kevin Beard, Yaroslav Derbenev, Geoffrey Krafft, Rui Li, Nikolitsa Mermanga, Byung Yunn, Yuhong Zhang
 Abstract compiled for European Particle Accelerator Conference 2004, Lucerne, Switzerland, 5-9 July 2004
68. **[Spectral Distributions of Thomson Scattered Photons from High-Intensity Pulsed Lasers](#)** style='font-size:9.0pt;font-family:"Arial","sans-serif">
 G. Krafft
 Published in Phys.Rev.Lett.92:204802, (2004)
69. **[Electron-Ion Collider at CEBAF: New Insights and Conceptual Progress](#)**
 Yaroslav Derbenev, Andrei Afanasev, Kevin Beard, Lawrence Cardman, Swapan Chattopadhyay, Pavel Degtiarenko, Jean Delayen, Rolf Ent, Andrew Hutton, Geoffrey Krafft, Rui Li, Nikolitsa Mermanga, Bernard Poelker, Byung Yunn, Peter Ostromov
 Proceedings European Particle Accelerator Conference 2004, Lucerne, Switzerland, 5-9 July 2004, p. 893
70. **[The Cornell ERL Prototype Project](#)**
 C. Sinclair, B. Barstow, I. Bazarov, S. Belomestnykh, D. Bilderback, S. Gruner, G. Hoffstaetter, M. Liepe, H. Padamsee, D. Sagan, V. Shemelin, R. Talman, M. Tigner, V. Veschcherevich, G. Krafft, N. Mermanga
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71. **[The Jefferson Lab Sub-picosecond X-ray Program](#)**
 C. Bohn, D. Douglas, G. Krafft, G. Neil, G. Williams, H. Dylla, J. Boyce, J. Gubeli, K. Jordan, M. Shinn, P. Piot, S. Benson, U. Happek
 Presented at CAARI 2002, Denton, TX, 12-16 Nov 2002. Published in AIP Conf.Proc.680:325-328, (2003)
72. **[High-Current Energy-Recovering Electron Linacs](#)**
 N. Mermanga, D. Douglas, G. Krafft
 Annu. Rev. Nucl. Part. Sci. Vol. 53, p. 387-429 (2003)
73. **[Longitudinal phase space manipulation in energy recovering linac-driven free-electron lasers](#)**
 D. Douglas, G. Krafft
 Published in Phys.Rev.ST Accel.Beam 6:030702, (2003)
74. **[The Jefferson Lab Free Electron Laser Program](#)**
 Albert Grippo, Byung Yunn, Carlos Hernandez-Garcia, David Douglas, Geoffrey Krafft, George Biallas, George Neil, Gwyn Williams, H. Dylla, John Mammoser, James Boyce, Joseph Gubeli, Joseph Preble, Kevin Jordan, Lawrence Dillon-Townes, Nikolitsa Mermanga, Michelle Shinn, Richard Evans, Richard Walker, Rui Li, Shukui Zhang, Stephen Benson, Timothy Siggins
 Invited Talk, Proceedings International Symposium on Infrared Free Electron Laser and It's Application, Tokyo, Japan, 1-2 February 2002.
 Also Published in Japan.J.Appl.Phys.41:15-19, (2002)
75. **[The Free Electron Laser Scaleup Program](#)**
 Albert Grippo, Byung Yunn, David Douglas, Geoffrey Krafft, George Biallas, George Neil, Gwyn Williams, H. Dylla, James Boyce, John Mammoser, Joseph Gubeli, Joseph Preble, Kevin Jordan, Lawrence Dillon-Townes, Nikolitsa Mermanga, Michelle Shinn, Richard Evans, Richard Walker, Rui Li, Stephen Benson, Timothy Siggins
 Invited Talk, DEPS Directed Energy Symposium, Monterey, CA, 12-15 November 2002
76. **[Phase I Energy Recovery Linac at Cornell University](#)**
 I. Bazarov, S. Belomestnyh, D. Bilderback, S. Gray, S. Gruner, Y. Li, M. Liepe, H. Padamsee, V. Shemelin, C. Sinclair, R. Talman, M. Tigner, J. Welch, G. Krafft, N. Mermanga
 Contributed to 8th European Particle Accelerator Conference, Paris, France, 3-7 Jun 2002
77. **[First Operations of an FEL in the Same-Cell Energy Recovery Mode](#)**
 G. Neil, S. Benson, G. Biallas, C. Bohn, D. Douglas, H. Dylla, R. Evans, J. Fugitt, J. Gubeli, R. Hill, K. Jordan, G. Krafft, R. Li, L. Mermanga, D. Oepts, P. Piot, J. Preble, M. Shinn, T. Siggins, R. Walker, B. Yunn
 Published in Nucl.Instrum.Meth. A445:192-196, (2002)
78. **[Energy recovery linacs as synchrotron radiation sources](#)**
 S. Gruner, D. Bilderback, I. Bazarov, K. Finkelstein, G. Krafft, N. Mermanga, H. Padamsee, Q. Shen, C. Sinclair, M. Tigner
 Invited Talk, Synchrotron Radiation Instrumentation Conference, Madison, WI, 21-24 Aug 2001. Published in Rev.Sci.Instrum.73:1402-1406, (2002)
79. **[Analysis and Simulation of Beam-Beam Effects in a Linac Ring Collider](#)**
 Rui Li, James Boyce, Nikolitsa Mermanga, Geoffrey krafft, Kevin Beard, Byung Yunn, Valeri Lebedev, Joseph Bisognano
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80. **[ELIC: An Electron Light Ion Collider Based at CEBAF](#)**
 Nikolitsa Mermanga, Kevin Beard, Yu-Chiu Chao, Jean Delayen, Yaroslav Delayen, Joseph Grames, Andrew Hutton, Geoffrey krafft, Rui Li, Bernard Poelker, Byung Yunn, Yuhong Zhang
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81. **[Diagnostics for Recirculating and Energy Recovered Linacs](#)**
 G. Krafft, J. Denard
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82. **Cumulative Beam Break-up Study of the Spallation Neutron Source Superconducting Linac**
 Dong-o Jeon, S. Kim, Marc Doleans, Nikolitsa Mermanga, Ronald Sundelin, Jean Delayen, Geoffrey Krafft, Byung Yunn
 Published in Nucl.Instrum.Meth.A495:85-94, (2002)
83. **Status of the Jefferson Lab IR-UV High Average Power Light Source**
 Albert Grippo, Byung Yunn, Carlos Hernandez-Garcia, David Douglas, Geoffrey Krafft, George Biallas, George Neil, Gwyn Williams, H. Dylla, John Mammosser, James Boyce, Joseph Gubeli, Joseph Preble, Kevin Jordan, Lawrence Dillon-Townes, Michael Kelley, Nikolitsa Mermanga, Michelle Shinn, Richard Evans, Richard Walker, Rui Li, Shukui Zhang, Stephen Benson, Timothy Siggins
 Presented at the Free Electron Laser 2002, Chicago, IL, 8-13 September 2002
84. **Recirculated and Energy Recovered Linacs**
 G. Krafft
 Presented at 2002 Joint Accelerator School: Courses in the Fundamentals of Physics, Technologies and Applications of Particle Accelerators, Archamps, France, 7 Jan-15 Mar 2002
85. **The Continuous Electron Beam Accelerator Facility: CEBAF at the Jefferson Laboratory**
 C. Leeman, D. Douglas, G. Krafft
 Annu. Rev. Nucl. Part. Sci., Vol. 51, p. 413-50, (2001)
86. **An Energy Recovery Electron Linac on Proton Ring Collider**
 G. Krafft, N. Mermanga, V. Lebedev
87. **Performance of a DC GaAs Photocathode Gun for the Jefferson Lab FEL**
 Albert Grippo, Byung Yunn, Charles Sinclair, Courtlandt Bohn, David Douglas, Donald Bullard, Geoffrey Krafft, Joseph Gubeli, Timothy Siggins
 Talk, Free Electron Laser Conference 2000, Durham, NC, 13-18 August 2000. Also published in Nucl.Instrum.Meth.A475:549-553, (2001)
88. **An Energy Recovery Electron Linac on Ring Collider**
 N. Mermanga, G. Krafft, V. Lebedev, I. Ben-Zvi
 Proc. Physics with an Electron Polarized Light-Ion Collider, MIT, 14-16 Sep 2000, p. 204-228. Also published in "Tsukuba 2001, High Energy Accelerators" TH-06, (2001)
89. **Transverse Beam Break-Study of the SNS SC Linac**
 Byung Yunn, Dong-o Jean, Geoffrey Krafft, Jean Delayen, J. Wei, Nikolitsa Mermanga, Ronald Sundelin
 Proceedings Particle Accelerator Conference 2001, Chicago, IL, 18-22 June 2001, p. 2063
90. **The Energy Recovery Linac (ERL) as a Driver for X-ray Producing Insertion Devices**
 C. Sinclair, D. Bilderback, G. Krafft, H. Padamsee, I. Bazarov, M. Tigner, N. Mermanga, S. Gruner
 Proc. PAC01, Chicago, IL, 18-22 Jun 2001, p.230-232
91. **Linacs Optics for Energy Recovery Linac**
 G. Krafft, I. Bazarov, N. Mermanga
 Proc. PAC2001, Chicago, IL, 18-22 Jun 01, p.3347-49
92. **A 10kW IR-FEL Design for Jefferson Lab**
 Albert Grippo, Byung Yunn, David Douglas, Geoffrey Krafft, George Biallas, George Neil, H. Dylla, H. Phillips, James Boyce, John Mammosser, Joseph Gubeli, Joseph Preble, Kevin Jordan, Michelle Shinn, Nikolitsa Mermanga, Richard Evans, R. Walker, Rui Li, Stephen Benson, Timothy Siggins
 Proceedings Particle Accelerator Conference 2001, Chicago, IL, 18-22 June 2001, p. 249
93. **New Energy Recovery Linac Source of Synchrotron X-rays**
 C. Sinclair, D. Bilderback, H. Padamsee, I. Bazarov, K. Finkelstein, N. Mermanga, M. Tigner, Q. Shen, R. Talman, S. Gruner, G. Krafft
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94. **High Average Current Effects In Energy Recovery Linacs**
 L. Mermanga, I. E. Campisi, D. R. Douglas, G. A. Krafft, J. Preble, B. C. Yunn
 Proceedings 2001 Particle Accelerator Conference, Chicago, IL, 18-22 June 2001, p. 173-175
95. **Measuring and Controlling Energy Spread in CEBAF**
 G. Krafft, J. Denard, M. Tiefenback, R. Kazimi, R. Dickson
 Invited Talk, Proc. Linear Accelerator Conference 2000, Monterey, CA, 21-25 Aug 2000, p. 721. Also published in eConf C00082:TH205, (2000)
96. **Jefferson Lab Free Electron Laser Starts Operation With Sustained Lasing At The Kilowatt Level**
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