

Papers on CeC

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- A.2 THE DYNAMICS OF ION SHIELDING IN AN ANISOTROPIC ELECTRON PLASMA, Gang Wang and Michael Blaskiewicz, Physical Review E **78**, 026413, (2008)
- A.3 B.T. Schwartz, D.L. Bruhwiler, V.N. Litvinenko, S. Reiche, G.I. Bell, A. Sobol, G. Wang and Y. Hao, "Massively parallel simulation of anisotropic Debye shielding in the modulator of a coherent electron cooling system and subsequent amplification in a free electron laser," Journal of Physics: Conference Series (2010), submitted.
- A.4 A.V. Sobol, D.L. Bruhwiler, G.I. Bell, A. Fedotov and V. Litvinenko, Numerical calculation of dynamical friction in electron cooling systems, including magnetic field perturbations and finite time effects, New Journal of Physics 12 (2010) 093038, <http://iopscience.iop.org/1367-2630/12/9/093038/fulltext>
- A.5 Physics of FEL in an infinite electron beam, G. Wang, V. N. Litvinenko and S. D. Webb, Submitted to Physics Review Special Topics – Accelerators and Beams, September 2010
- A.6 Three-dimensional model of small signal free-electron lasers, Stephen Webb, Gang Wang and Vladimir Litvinenko, Physics Review Special Topics – Accelerators and Beams, 14, 051003 (2011), 8 pages, <http://prst-ab.aps.org/abstract/PRSTAB/v14/i5/e051003>
- A.7 On Free-Electron Laser Growing Modes and their Bandwidth, Stephen Webb, Gang Wang and Vladimir Litvinenko, Submitted to Physics Review Letters, May 2, 2011

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- C.3 VORPAL Simulations Relevant to Coherent Electron Cooling, George I. Bell, David L. Bruhwiler, Andrey V. Sobol (Tech-X, Boulder, Colorado), Ilan Ben-Zvi, Vladimir N. Litvinenko (BNL, Upton, Long Island, New York), Yaroslav Derbenev (Jefferson Lab, Newport News, Virginia), Proceeding of 11th European Particle Accelerator Conference, EPAC'08, Genoa, Italy, June 23-28, 2008, THPC085, <http://accelconf.web.cern.ch/AccelConf/e08/papers/thpc085.pdf>
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- C.14 S.D. Webb, V. Litvinenko, G. Wang, *Effects of e-beam Parameters on Coherent Electron Cooling*, Proceedings of 2011 Particle Accelerator Conference, New York, NY, USA, March 25-April 1, 2011, pp.232-234, <http://accelconf.web.cern.ch/AccelConf/PAC2011/papers/mop066.pdf>
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