

1995 Electron Cooling Spring Study Bibliography

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- Bell et al., "Electron Cooling in ICE at CERN", NIM 190, pp237-255 (1981)
- Forester et al., IEEE trans. Nucl. Sci., NS-28, No. 3, p2386 (1981)
- F. Cole and F. Mills, "Increasing the Phase-Space Density of High Energy Particle Beams", Ann. Rev. Nucl. Part. Sci., 31, pp295-325 (1981)
- H. Poth, "Electron Cooling: Theory, Experiment, Application", Phys. Rept. 196, Nos. 3 & 4 (1990)
- H. Poth, "Electron Cooling", CERN Accelerator School Advanced Accelerator Physics, CERN 87-03 (21 April 1987) pp534-569
- T. Ellison, "Electron Cooling" PhD thesis, Indiana U., (Sept. 1990)
- A. H. Sorensen and E. Bonderup, "Electron Cooling", NIM 215 (1983) pp 27-54
- Ya. S. Derbenev and A. N. Skrinsky, "The Kinetics of Electron Cooling of Beams in Heavy Particle Storage Rings", Part. Acc. 8 (1977) pp 1-20
- "Workshop on Beam Cooling and Related Topics", Montreaux Switzerland 4-8 Oct. 93, J. Bosser, ed. CERN 94-03 (26 April 1994)
- F. Mills, "The Use of the FEL Gun for Electron Cooling", p-bar Note 144 (22 July 81)
- D. J. Larson, "Intermediate Energy Electron Cooling for Antiproton Sources" PhD thesis U. Wisconsin (Madison WI) (1986)
- D. J. Larson, "Electron Cooling at the SSC", AIP Proc. Series (1995)
- MEBEC Group, "MEB E-Cool Design Report 1992", Indiana University Cyclotron Facility, Bloomington IN
- M. E. Veis et al., "Electron beam with an Energy 1 MeV in the Recuperation Regime", 1990 EPAC
- D. J. Larson et al., "Operation of a Prototype Intermediate-Energy Electron Cooler", NIM A311 (1992) pp30-33
- J. R. Adney et al., "Progress Report on Construction and Testing of a 3 MeV, DC, Ampere Intensity Electron Beam Recirculation System", 1985 PAC (Vancouver) IEEE Trans. Nucl. Sci. NS-32 No. 5 (1985) pp1841-1843
- D. J. Larson et al., "Beam Envelope Solution of a Finite Emittance Beam Including Space Charge and Acceleration", 1985 PAC (Vancouver), IEEE Trans. Nucl. Sci NS-32 No. 5 (1985) p2433-2435
- F. J. Sacherer, "RMS Envelope Equations With Space Charge", 1971 PAC (Chicago) IEEE Trans. Nucl. Sci. NS-18 (1971) pp1105-1107
- I. Hofmann and J. Struckmeier, "Generalized Three-Dimensional Equations for the Emittance and Field Energy of High Current Beams in Periodic Focusing Structures", Part. Acc. 21 (1987) pp 69-98

- O. A. Anderson, ‘‘Solution of K-V Envelope Equations’’ LBL-36502 (5/95), submitted to Part. Accel.
- O. A. Anderson, ‘‘Internal Dynamics and Emittance Growth in Space-Charge Dominated Beams’’, Part. Acc. 21 .(1987) pp197-226
- E. P. Lee and R. K. Cooper, ‘‘General Envelope Equation for Cylindrically Symmetric Charged Particle Beams’’, Part. Acc. 27 (1976) p 83 ff
- E. P. Lee, ‘‘Cancellation of the Centrifugal Space_charge Force’’, Part. Acc. 25 (1990) pp 241-251
- J. Bosser et al., ‘‘Neutralization of the LEAR Electron-Cooling Beam’’, 1995 PAC (Dallas) to appear IEEE Conf. Record
- J. Bosser et al., ‘‘Stability Conditions for a Neutralized Electron Cooling Beam’’, 1995 PAC (Dallas) to appear IEEE Conf. Record