



NPL Polarized Source Group
Technical Note Series

Technical Notes and Related Publications

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Technical Notes

TN#	Title and Author(s) (date published)
89-1	"Bakeout and Stalk Heater Temperature Controllers," by N. Sereno (1/89)
89-2	"Nitrogen Heater Temperature Controller," by N. Sereno (1/89)
89-3	"Fourier Coefficients Determined by Superfish," by L. Liu (1/13/89)
89-4	"The Illinois/CEBAF Polarized Electron Source R&D Project: Overview and Status Report," by L. S. Cardman <i>et al.</i> (9/26/89)
89-5	"Comparison of Wien Filter and Mainz Spin Manipulator," by D. Engwall (10/20/89 - revised 7/27/92)
89-6	"Design Calculations for the Illinois Polarized Source Mott Polarimeter," by N. Sereno (10/14/89 - revised 7/23/92)
90-1	"Notes on Diamond Paste Polishing of Stainless Steel," by B. M. Dunham (5/19/90 - revised 7/23/92)
90-2	"How to Charge the NF ₃ Leak Valve on the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham and C. K. Sinclair (5/19/91 - revised 8/21/92)
90-2A	"How to Charge the NF ₃ Leak Valve on the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham (8/24/92)
90-3	"Cleaning and Anodizing GaAs," by B. M. Dunham and C. K. Sinclair (5/19/90 - revised 7/20/92)
90-3A	"Cleaning and Anodizing GaAs," by B. M. Dunham (7/22/92)
90-4	"The Initial Evacuation and Bakeout of the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham, L. S. Cardman, and C. K. Sinclair (5/19/90 - revised 7/20/92)
90-5	"Procedures for Making GaAs Cathodes," by B. M. Dunham, D. A. Engwall, and C. K. Sinclair (5/19/90 - revised 8/31/92)

- 90-5A "Procedures for Making GaAs Cathodes," by B. M. Dunham (8/31/92)
- 90-6 "Cathode Changing Procedures for the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham and C. K. Sinclair (5/19/90)
- 90-7 "Evacuation and Bakeout of the Illinois/CEBAF Polarized Electron Source After Minor Changes," by B. M. Dunham and C. K. Sinclair (5/19/90)
- 90-8 "The Fabrication of Tantalum Cups for the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham, L. S. Cardman, and C. K. Sinclair (5/19/90 - revised 7/22/92)
- 90-9 "Charging the Cesium of the Illinois/CEBAF Polarized Electron Source," by B. M. Dunham and C. K. Sinclair (5/19/90)
- 91-1 "Field Mapping of the 90° Dipole," by B. M. Dunham and D. A. Engwall (1/8/91 - revised 8/19/92)
- 91-2 "Field Mapping of the Baked Solenoids," by D. A. Engwall (1/8/91 - revised 7/23/92)
- 91-3 "The Design of the Electrostatic Bend," by D. A. Engwall (11/21/91 - revised 7/27/92)

Related Publications

ID	Reference
[Ca90]	L. S. Cardman, "Polarized Electron Sources," Proc. 7 th Int. Conf. on Polarization Phenomena in Nuclear Physics, Colloque de Physique, supplément au n ^o . 22, 51 , C6-473 (1990).
[Ca91]	L. S. Cardman, "Polarized Electron Sources: the Next Generation," Proc. of the 4 th Conf. on the Intersections Between Particle and Nuclear Physics, AIP Conf. Proc. 243 , 1012 (1991).
[Ca91a]	L. S. Cardman, "Polarized Electron Sources for the 1990's," Proc. the EPS Conference on Hadronic Structure and Electroweak Interactions, Amsterdam, August 5-10, 1991 (to be published).
[En92]	D. A. Engwall, <i>et al</i> , "A Spin Manipulator for Electron Accelerators," (accepted for publication in Nucl. Inst. & Meth.).