

Capability and Prospects for High Current Polarized Beams from GaAs DC Photoguns - REMOTE

Tuesday, October 4, 2022 3:40 PM (20 minutes)

Extending the charge lifetime of today's spin polarized GaAs photoelectron guns from hundreds to thousands of Coulombs is a reasonable expectation for long-duration operation at milliampere beam current. In this presentation I will describe some of the topics frequently considered to achieve this goal, and will make quantitative comments about their proven or proposed likelihood for success.

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