

Abstract Submitted
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Performance of the GlueX Polarized Photon Source¹ RICHARD JONES, University of Connecticut, GLUEX COLLABORATION COLLABORATION — A polarized photon source based on collimated coherent bremsstrahlung from a 12 GeV electron beam incident on an oriented diamond crystal has been constructed for the GlueX experiment in Hall D at Jefferson Lab. Commissioning of the source took place during the period February-April, 2016, successfully demonstrating the achievement of key performance parameters. An overview of these results will be given, and comparisons made with the predictions based on a detailed model of the beam and the coherent bremsstrahlung process in diamond.

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