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## Design of a Compact Photon Source for Compton Scattering from Solid Polarized Targets

*Tuesday, 24 September 2019 10:00 (20 minutes)*

In order to facilitate Real Compton scattering studies off of nucleons a novel, high intensity, compact photon source (CPS) was developed for Halls A and/or C at Jefferson Lab. This source will provide a factor of 30 figure of merit improvement over existing technology. While developed for use in nuclear/particle physics experiments, the CPS design can be adapted to other fields. The source design as well as the main technical challenges associated with it will be discussed.

### Summary

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**Session Classification:** Polarized Sources

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