

Abstract Submitted
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Identification of Photon Conversions in the ATLAS detector

DAVID JOFFE, Southern Methodist University — Reconstruction of photon conversions in the ATLAS detector at the LHC will be crucial for proper identification of electrons and photons from physics events. The positions of reconstructed conversions may also be used to map out material in the inner detector. This talk will illustrate the methods used in the ATLAS software for identifying and reconstructing conversions using available track and calorimeter information. The efficiency of the conversion identification algorithms will be discussed, as well as the effect of conversions on physics measurements.

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