

Probing new physics using non-pointing and delayed photons with the ATLAS detector

Saturday, 1 December 2018 15:00 (10 minutes)

ATLAS detector's Liquid Argon electromagnetic calorimeter is capable of precisely measuring photon's timing and pointing. This allows us to uniquely probe physics beyond the standard model that involves neutral long-lived particles that decay into photons. In this presentation, I will describe how ATLAS measures photon pointing and timing, summarize the results from Run 1 analysis and shed a light on the on-going Run 2 analysis.

Session

Lightning Round (5+3 min)

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Session Classification: Lightning Talks