

## Measuring tau $g-2$ using ATLAS Pb+Pb collisions

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Relativistic heavy-ion beams at the LHC are accompanied by a large flux of equivalent photons, leading to photon-induced processes. Measurements of photon-induced production of tau lepton pairs can be used to constrain the tau lepton's anomalous magnetic dipole moment ( $g-2$ ). This talk presents a recent ATLAS measurement using muonic decays of tau leptons in association with electrons and tracks which provides one of the most stringent limits available to date.

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**Classifica Sessioni:** Young Researchers Talks