The 17th International Workshop on Tau Lepton Physics (TAU2023)



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Measurement of the tau-lepton pair production from photons and tau g-2

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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. In this talk, the observation of tau-lepton pair production in ultraperipheral lead-lead collisions recorded by the ATLAS experiment at the LHC in 2018 is reported. The measurement is used to constrain the tau lepton's anomalous magnetic dipole moment.

Name of collaboration or list of co-authors

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