



Contribution ID: 29

Type: Young Scientist Forum

[YSF] Search for dark matter produced in association with a Z boson decaying to pair of leptons at CMS

A search for beyond standard model (BSM) physics in events with a Z boson recoiling against missing transverse momentum at the CMS experiment at the LHC is presented. This search is interpreted for a spin-1 simplified dark matter vector or axial-vector mediator as well as for a Higgs-like scalar or pseudoscalar mediator. The search utilises the full Run II dataset corresponding to an integrated luminosity of 137.1/fb at 13 TeV

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Session Classification: Collider Search I