

Abstract Submitted  
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**Search for disappearing tracks at CMS using 13 TeV data** ANDREW HART, The Ohio State University, CMS COLLABORATION — A search is presented for long-lived charged particles that decay within the CMS detector, producing the signature of a disappearing track. Candidate disappearing tracks are identified as isolated tracks with no associated hits in the muon detectors, small associated calorimeter energy deposits, and missing hits in the outer layers of the silicon tracker. The search uses proton-proton collision data obtained at 13 TeV during 2015 and 2016, and the results are interpreted in the context of anomaly-mediated supersymmetry breaking (AMSB).

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