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## Search for R-parity violating supersymmetry and Quantum black-holes in $e+\mu$ final state in CMS

*Monday 21 August 2017 19:30 (30 minutes)*

This poster presents a search for heavy particles decaying into  $e\mu$  final states with 13 TeV proton-proton collision data recorded with the CMS detector at the LHC. The search is interpreted using two different benchmark models. One of them is the scenario of resonant  $\tau$  sneutrino production in R-parity violating supersymmetry, and the other is the non-resonant signal of Quantum Black Hole (QBH) production in models with extra dimensions.

### Topic:

Topic: High Energy Particle Physics

### Summary

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