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Quirky Signals at Colliders

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Exploring less studied signals of beyond the standard model physics can optimize the LHC's discovery potential and address open questions. Quirks are particles charged under a new $SU(N)$ color group with masses much larger than their confinement scale. This makes their collider signal qualitatively different from many standard searches and leads to interesting signals. I outline families of quirky signals motivated by the Higgs hierarchy problem and how they can be discovered at the LHC.

Author: FORSYTH, Joshua

Co-author: VERHAAREN, Christopher (Brigham Young University)

Presenter: FORSYTH, Joshua

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