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Opening unexplored frontiers for new physics at the LHC

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The smoking gun signals for new physics at the energy frontier elude us. What gaps remain under the lamp-post? Where do we focus our next searches? I'll show striking opportunities to probe new and challenging signatures of supersymmetry and dark matter. These need dedicated experimental efforts such as custom triggers or soft leptons, and I'll highlight key synergies with theoretical input. Such trends drive ongoing and upcoming 13 TeV LHC searches, which open tantalising prospects for discoveries at the weak scale.

What would be the preferred length of your talk?

20 minutes + questions

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