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## Correlated Signals from Nonabelian Kinetic Mixing

*Monday 9 May 2016 17:00 (15 minutes)*

Kinetic mixing is a common and well motivated phenomenon in BSM theories that can naturally provide a weak interaction between the standard model and new physics. Nonabelian kinetic mixing necessarily introduces a new mass scale which is related to the kinetic mixing strength. In this talk I will show that this mass scale - mixing strength relationship maps the parameter space relevant to current and near future fixed-target experiments to mass scales being probed at the LHC. I will then go on to present a model of nonabelian kinetic mixing and discuss its phenomenological implications.

### Summary

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