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## Higgs Properties in the Fourth Generation MSSM: Boosted Signals Over the 3G Plan

*Tuesday, 30 August 2011 15:00 (25 minutes)*

We describe the novel higgs sector phenomenology of supersymmetric models that include a 4-th generation of chiral fermions. In particular we work in a 4-generation version of the MSSM and find that the LHC signatures expected from the higgs sector of these models are in stark contrast with those expected from the usual 3-generation MSSM.

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**Session Classification:** Parallel Session 6