

DISCRETE '08: Symposium on Prospects in the Physics of Discrete Symmetries



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Searches for Fourth Generation Particles and Heavy Neutrinos at CMS

Thursday 11 December 2008 14:30 (20 minutes)

This presentation will address the experimental issues and discovery potentials for a fourth generation charge $-1/3$ quark decaying to a W and a top quark and for a right-handed W that decays to a lepton and a heavy neutrino, predicted by Left-Right-symmetric models. Both produce almost background-free final states containing multiple leptons and jets. The residual backgrounds and reach for each type of particle is presented for 100 pb $^{-1}$ of 14 TeV data.

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