

The Colorful Seesaw

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An exciting prospect for LHC physics is the lepton number violating signals associated with Majorana neutrino mass generation. Such signals crucially depend on the nature of the associated seesaw fields and could be absent (even for fields with LHC-friendly masses) if these fields cannot be easily produced. A startling exception is the recently proposed colorful seesaw where the color charged seesaw fields have large production cross sections. I will discuss this mechanism and its exciting same-sign dilepton signature.

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