

PARTICLE PHYSICS SEMINAR SERIES

LHC probes of the 10 TeV scale

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The usual range of new particle masses, up to a few TeV, searched for at the LHC may be substantially extended if ultraheavy diquark particles exist. A diquark scalar that interacts with two up quarks may be as heavy as 10 TeV and would still produce tens of spectacular events at the 14 TeV LHC.



PHYSICS