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An overview of Grand Unification and Sfermion mass spectroscopy for the first and second generations

Thursday, September 1, 2011 3:10 PM (20 minutes)

We discuss Grand Unification Theories (GUTs), focussing on the standard SU(5), SO(10) and E6 candidates. We will review the matter content of the representations, and outline advantages and issues. We will then examine the mass spectrum of the first and second generation of squarks and sleptons, providing a testable comparison of the alternative group structures.

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