

Solving the Hierarchy Problem Discretely

Monday 21 May 2018 11:30 (30 minutes)

We present a new mechanism for making a scalar parametrically lighter than the UV cutoff utilizing non-linearly realized discrete symmetries. The cancelations occur due to a discrete symmetry that is realized as a shift symmetry on the scalar and as an exchange symmetry on the particles with which the scalar interacts.

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Session Classification: Plenary Session