



Contribution ID: 34

Type: **Lightning Talk + Poster**

GUTs - how common are they?

Monday 22 April 2024 14:30 (3 minutes)

The individual fermion generations of the Standard Model fit neatly into a representation of a simple Grand Unified Theory gauge algebra. If there is nothing to Grand Unification, this would appear to be a coincidence. We attempt to quantify how frequent this coincidence is among theories with group structure and fermion content similar to the Standard Model. This bottom-up theory-space investigation may contribute to shaping our expectations for what lies beyond the Standard Model.

Authors: HERMS, Johannes (Max-Planck-Institut für Kernphysik); RUHDORFER, Maximilian (Cornell)

Presenter: HERMS, Johannes (Max-Planck-Institut für Kernphysik)

Session Classification: Afternoon Session