Contribution ID: **11**   Type: **not specified**

SModelS v3: Going Beyond Simple Z2 Topologies

Thursday 27 February 2025 15:00 (15 minutes)

SModelS is a public tool for fast reinterpretation of LHC searches for new physics based on a large database of simplified model results. Version 3 includes a new framework based on a description of arbitrary simplified model topologies as directed graphs. This new development allows the tool to go beyond Z2-preserving topologies, including results from resonance searches, R-Parity violating supersymmetry and more. In this talk we present the main new features of version 3 and illustrate their impact on a Dark Matter model containing two mediators.

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Session Classification: Public reinterpretation tools