Contribution ID: **160** Type: **Talk**

Howard Baer (U. of Oklahoma): Prospects for WIMP and axion detection in SUSY with radiatively-driven naturalness

Thursday 22 February 2018 11:23 (14 minutes)

SUSY with radiatively driven naturalness combines solutions to the gauge hierarchy problem, the strong CP problem, the SUSY mu problem and the Little Hierarchy problem. Dark matter is expected to be a higgsino-like WIMP plus SUSY DFSZ axion admixture where axions typically dominate the dark matter abundance. Nonetheless, prospects are better for WIMP detection than for axion detection. If WIMPs are not seen at ton-scale WIMP detectors, then this simple and compelling scenario would likely be ruled out.

Presenter: BAER, Howard (University of Oklahoma)

Session Classification: Session 7