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SUSY dark matter models with a well-tempered neutralino

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While most of parameter space of the mSUGRA model is excluded by the constraint on dark matter relic density, a variety of well-motivated models with non-universal soft breaking terms can easily accommodate the relic abundance. I survey various models with non-universal scalar and gaugino masses by the names of NUHM1, NUHM2, NMH, MWDM, BWCA-DM and compressed SUSY, or LM3DM. Each of these scenarios gives rise to unique predictions for collider and dark matter detection phenomenology.

Author: Prof. BAER, Howard (Florida State University)

Presenter: Prof. BAER, Howard (Florida State University)

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