

Phenomenology 2018 Symposium



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Collider & Astrophysical Phenomenology of Massive Spin-2 Mediated WIMP Dark Matter

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Scalar, fermionic, and vector WIMP-like dark matter may couple to the Standard Model through a massive spin-2 mediator. Mediators of this sort appear in extra-dimensional models, such as Randall-Sundrum models. We apply several parameter space constraints to phenomenological spin-2 mediated scenarios, including those arising from direct detection, indirect detection, relic density, collider experiments, and unitarity.

Summary

Authors: FOREN, Dennis (Michigan State University); MOHAN, Kirtimaan (Michigan State University); Dr SENGUPTA, dipan (Michigan State University); SIMMONS, Elizabeth (University of California, San Diego); CHIVUKULA, R. Sekhar (Michigan State University)

Presenter: FOREN, Dennis (Michigan State University)

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