

Collider searches for Higgs portal DM models

Tuesday 29 November 2016 14:00 (20 minutes)

This talk will be based on these papers:

(1) Beyond the Dark matter effective field theory and a simplified model approach at colliders
Seungwon Baek, P. Ko (Korea Inst. Advanced Study, Seoul), Myeonghun Park (APCTP, Pohang & POSTECH, Pohang & Tokyo U., IPMU), Wan-Il Park (Valencia U. & Valencia U., IFIC), Chaehyun Yu (Taiwan, Inst. Phys.).
Jun 22, 2015. 6 pp.

Published in Phys.Lett. B756 (2016) 289-294

APCTP-PRE2015-014, IPMU15-0084, FTUV-15-06-25, IFIC-15-38, KIAS -P15029

DOI: 10.1016/j.physletb.2016.03.026

e-Print: arXiv:1506.06556 [hep-ph]

(2) Search for Higgs portal DM at the ILC

P. Ko, Hiroshi Yokoya (Korea Inst. Advanced Study, Seoul). Mar 15, 2016. 24 pp.

Published in JHEP 1608 (2016) 109

DOI: 10.1007/JHEP08(2016)109

e-Print: arXiv:1603.04737 [hep-ph]

Summary

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