BRADLEY J KAVANAGH

Publication List

Updated: 15/08/2016

1. You can hide but you have to run: direct detection with vector mediators

F. D'Eramo, B. J. Kavanagh, P. Panci

Accepted in JHEP, arXiv:1605.04917

2. A review of the discovery reach of directional Dark Matter detection

F. Mayet, A. M. Green, J. B. R. Battat, J. Billard, N. Bozorgnia, G. B. Gelmini, P. Gondolo,

B. J. Kavanagh, S. K. Lee, D. Loomba J. Monroe, B. Morgan, C. A. J. O'Hare, A. H. G. Peter,

N. S. Phan, S. E. Vahsen

Physics Reports 627 (2016) 1, arXiv:1602.03781

3. Re-examining the significance of the 750 GeV diphoton excess at ATLAS

B. J. Kavanagh

arXiv pre-print (2016), arXiv:1601.07330

Featured on Syymmetries and Résonaances

4. New directional signatures from the non-relativistic effective field theory of dark matter

B. J. Kavanagh

Phys. Rev. D 92, 023513 (2015), arXiv:1505.07406

5. Discretising the velocity distribution for directional dark matter experiments

B. J. Kavanagh

JCAP 07 (2015) 019, arXiv:1502.04224

6. Probing WIMP particle physics and astrophysics with direct detection and neutrino telescope data

B. J. Kavanagh, M. Fornasa, A. M. Green

Phys. Rev. D. 91, 103533 (2015), arXiv:1410.8051

7. Parametrizing the local dark matter speed distribution: a detailed analysis

B. J. Kavanagh

Phys. Rev. D 89, 085026 (2014), arXiv:1312.1852

8. WIMP physics with ensembles of direct-detection experiments

A. H. G. Peter, V. Gluscevic, A. M. Green, B. J. Kavanagh, S. K. Lee

Phys. Dark Universe 5-6 (2014) 45-74, arXiv:1310.7039

9. Model independent determination of the dark matter mass from direct detection experiments

B. J. Kavanagh and A. M. Green

Phys. Rev. Lett. 111, 031302 (2013), arXiv:1303.6868

Featured in Phys.org

10. Improved determination of the WIMP mass from direct detection data

B. J. Kavanagh and A. M. Green

Phys. Rev. D 86, 065027 (2012), arXiv:1207.2039