Publications

PUBLICATIONS

- **Muons in Supernovae: Implications for the Axion-Muon Coupling** *Physical Review Letters*
  Bollig, R., DeRocco, W., Graham, P. W., Janka, H.
  2020; 125 (5)

- **Observing the dark sector with supernovae**
  DeRocco, W., IOP
  IOP PUBLISHING LTD. 2020

- **Constraining Primordial Black Hole Abundance with the Galactic 511 keV Line** *Physical Review Letters*
  DeRocco, W., Graham, P. W.
  2019; 123 (25)

- **Supernova signals of light dark matter** *Physical Review D*
  DeRocco, W., Graham, P. W., Kasen, D., Marques-Tavares, G., Rajendran, S.
  2019; 100 (7)

- **Observable signatures of dark photons from supernovae** *Journal of High Energy Physics*
  DeRocco, W., Graham, P. W., Kasen, D., Marques-Tavares, G., Rajendran, S.
  2019

- **Constraining Primordial Black Hole Abundance with the Galactic 511 keV Line.** *Physical review letters*
  DeRocco, W., Graham, P. W.
  2019; 123 (25): 251102

- **Axion interferometry** *Physical Review D*
  DeRocco, W., Hook, A.
  2018; 98 (3)