PUBLICATIONS

- Discovering supernova-produced dark matter with directional detectors *PHYSICAL REVIEW D*
  Baracchini, E., DeRocco, W., Dho, G.
  2020; 102 (7)

- Exploring the robustness of stellar cooling constraints on light particles *PHYSICAL REVIEW D*
  DeRocco, W., Graham, P. W., Rajendran, S.
  2020; 102 (7)

- 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

- Muons in Supernovae: Implications for the Axion-Muon Coupling. *Physical review letters*
  Bollig, R. n., DeRocco, W. n., Graham, P. W., Janka, H. T.
  2020; 125 (5): 051104

- 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. n., Graham, P. W.
  2019; 123 (25): 251102

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