

3/02/2023, 11:00am--11:30am

Ryan Plestid (Caltech)

Long lived particles and the Quiet Sun

I will discuss prospects for using semi-rent satellite instruments to search for MeV gamma rays from the Sun. These lie well below the cutoff of FermiLAT, and are a well motivated signature in certain BSM models. Comparisons with searches at underground detectors e.g. Borexino will be discussed. (Ongoing work with Ian Shoemaker, Andrew Gustafson, and Albert Zhou)