



Contribution ID: 18

Type: **not specified**

Searching for Axion Echos from Supernova Remnants

Tuesday, 28 September 2021 14:00 (15 minutes)

In this talk, I will discuss possible constraints on the axion-photon coupling arising from supernova remnants. I will assume axion to be dark matter and focus on the echo signal from its stimulated decay process, which is caused by photons in the radio band emitted from supernova remnants. I will show that this could put competitive bounds in the mass range of 10^{-6} eV to 10^{-4} eV.

Presenter: SUN, Chen

Session Classification: Tuesday PM