ID de Contribution: 26 Type: Non spécifié

## The echo method for axion dark matter searches

lundi 5 août 2024 13:55 (30 minutes)

The axion dark matter decay rate can be enhanced by several order of magnitude if an electromagnetic environment with frequency equal to half of the axion mass is present. In this talk I will show how this effect can produce an echo of electromagnetic radiation and how we can detect it with radio astronomy and radar technology. I will show sensitivity prospect with current radio astronomy equipment.

Orateur: ARZA, Ariel (Nanjing Normal University)