

Fundamental physics in the cosmos: The early, the large and the dark Universe



Contribution ID: 19

Type: **not specified**

Direct Detection of Ultralight Dark Matter

Thursday 28 September 2017 15:25 (17 minutes)

Ultralight bosonic particle is one of the dark matter and called fuzzy dark matter. Its astrophysical properties are interesting and have been recently studied. On the other hand, the detection method is less discussed. We propose a new method to detect them using the motions of heavenly bodies.

(This is a work in progress)

Primary author: Mr FUKUDA, Hajime (Kavli IPMU)

Co-authors: MATSUMOTO, Shigeki (Kavli IPMU); YANAGIDA, Tsutomu (Kavli IPMU)

Presenter: Mr FUKUDA, Hajime (Kavli IPMU)

Session Classification: Parallel Session: Particle Phenomenology 1a

Track Classification: Particle Phenomenology