Contribution ID: **6** Type: **not specified**

Primordial Black hole relics as Dark matter candidate

Wednesday 17 July 2024 17:50 (20 minutes)

During the talk, I will delve into the unique candidate of Planck mass Primordial Black Hole (PBH) relics as dark matter. These relics, arising from the evaporation of light PBHs with initial masses ranging from 1g to approximately 10ˆ6g, possess the potential to account for the entirety of dark matter in our universe. My presentation will encompass a thorough review of existing constraints on PBH abundance, incorporating the consideration of Planck mass relics. Additionally, I will provide visual representations, such as plots, illustrating the new perspective on dark matter as PBH relics.

Author: ALJAZAERI, Amirah Saeed M. (University of Sussex)

Presenter: ALJAZAERI, Amirah Saeed M. (University of Sussex)

Session Classification: Student talks