



Contribution ID: 258

Type: **Asynchronous Talk**

Shining Light on Dark Matter with Black Holes

Primordial black holes from the early Universe constitute an attractive non-particle dark matter candidate. I will discuss their intimate connection with astronomical puzzles like the origin of heavy elements (gold), ongoing boom in gravity wave and multi-messenger astronomy as well as novel ways how to search for them. Primordial black holes from the general formation scenario of bubble multiverse might have already been seen by Subaru Hyper Suprime-Cam.

Primary author: TAKHISTOV, Volodymyr (Kavli IPMU, U. Tokyo)

Presenter: TAKHISTOV, Volodymyr (Kavli IPMU, U. Tokyo)

Session Classification: Astroparticle and Cosmology Session 2

Track Classification: Astroparticle Physics and Cosmology