



Contribution ID: 272

Type: **Talk**

## The Primordial Black Holes Variations

*Thursday 1 October 2020 17:50 (25 minutes)*

In the age of gravitational wave astronomy, the possibility that some of the black holes in the universe have a primordial, rather than stellar origin, and that they might be a non-negligible fraction of the cosmological dark matter, is quite intriguing. I will review the status of the field, and comment on search strategies and future prospects for detection across many decades in black hole mass. I will also discuss how light primordial black holes could seed both baryonic and particle dark matter in the very early universe.

### Is this abstract from experiment?

No

### Internet talk

Yes

### Name of experiment and experimental site

### Is the speaker for that presentation defined?

Yes

### Details

**Primary author:** PROFUMO, Stefano (University of California, Santa Cruz)

**Presenter:** PROFUMO, Stefano (University of California, Santa Cruz)

**Session Classification:** Workshop on New physics paradigms after Higgs and gravitational wave discoveries

**Track Classification:** Workshop on New physics paradigms after Higgs and gravitational wave discoveries