Munich/Garching Dark Matter meeting

Apr, 28th - 11am

Speaker: Florian Kuehnel (LMU)

Title:

Primordial Black Holes as Dark Matter

Abstract:

Primordial black holes are black holes that may have formed in the early Universe. Their masses potentially span a range from as low as the Planck mass up to many orders of magnitude above the solar mass. This, in particular, includes black holes with mass (and spin) comparable to those recently discovered by LIGO/Virgo. These may well be primordial in nature, which may also be true for those in the planetary-mass range as well as those providing the seeds for the super-massive black holes in galactic centres. I will discuss a natural model which can account for all of these. After a general introduction on primordial black holes, I will discuss the most consequential aspects of their formation, elaborate on their observable imprints as well as on abundance constraints.

Connection details:

https://mppmu.zoom.us/j/97021866122?pwd=Um8wenFoOVgycTFhc1dMZmdCTFRsZz09

Meeting ID: 970 2186 6122
Passcode: 410458