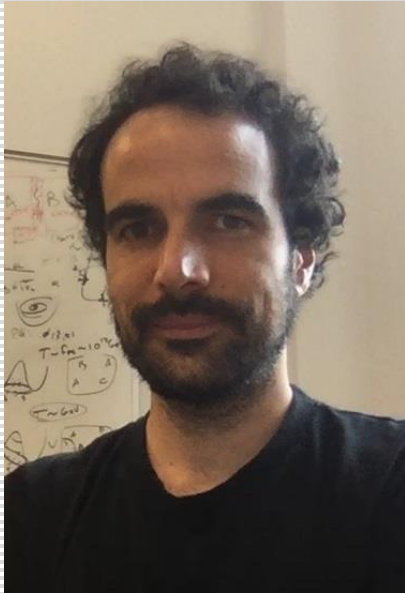


# Theoretical Physics Seminar

Monday, September 9, 2019 / Pupin Hall Theory Center, 8<sup>th</sup> Floor / 2:10 PM

**Guillermo Ballesteros - Universidad Autónoma de Madrid**

## **"Primordial black hole dark matter from single field inflation"**



I will discuss the idea that black holes may constitute a large fraction of the Universe's dark matter, focusing mostly on their formation from large primordial fluctuations generated during inflation.

I will summarize the ups and downs of this mechanism and comment on potential ideas that may help to alleviate its main shortcoming.