



Contribution ID: 68

Type: **not specified**

Clustered PBHs and Stellar Bubbles from the Primordial Universe

Tuesday 13 July 2021 15:00 (1 hour)

We explore the possibility of strongly clustered primordial black holes (PBHs). Such clustered PBHs may be produced by multi-stream inflation. Those PBH bubbles may produce gravitational waves possibly detectable by LISA, or themselves shine with optical signals like stars. Similar clustering mechanisms may be used to study bubbles with other exotic matter such as unstable particles, domain walls, cosmic strings or monopoles.

Presenter: Prof. WANG, Yi (HKUST)