



Contribution ID: 1

Type: not specified

## Stochastic kicks in primordial black hole production [Chair: Torrenti]

*Tuesday, 28 May 2024 14:30 (1h 30m)*

I discuss why stochastic effects are important in PBH formation and how they lead to spiky profiles for the curvature perturbation. When using the compaction function to set a collapse criterion, this can lead to a large enhancement of PBH abundance.

**Are you interested in publishing a 2-4 pages proceeding at the MDPI Journal?**

No

**Primary authors:** Dr TOMBERG, Eemeli (University of Lancaster); Dr RAATIKAINEN, Sami (University of Helsinki); RÄSÄNEN, Syksy

**Presenter:** RÄSÄNEN, Syksy