

# The Little Bang of Heavy Ion Collisions

*Wednesday, January 3, 2018 6:00 PM (15 minutes)*

The Quark Gluon Plasma (QGP) produced in the Large Hadron Collider (LHC) undergoes a similar evolution to that of our Universe. The collision produces an explosive expansion caused by high pressure gradients and it then cools down, forming free-streaming hadrons. The earliest stages of the Universe are probed through the cosmic microwave background (CMB). In a similar manner to the analysis performed on it, we calculate the multiplicity power spectrum of heavy ion collisions and present the issues of dealing with a partial “sky” coverage.

## Summary

**Primary author:** Ms VIEIRA MACHADO, Meera (Niels Bohr Institute)

**Presenter:** Ms VIEIRA MACHADO, Meera (Niels Bohr Institute)

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