



Contribution ID: 263

Type: **Talk**

Prospects of constraining primordial magnetic fields using their effects on CMB, LSS and ionization history

Tuesday, 15 December 2015 16:35 (20 minutes)

The presence of large scale magnetic fields at different epochs can be probed by their impact on different observables such as the CMB spectrum, primary and secondary CMB anisotropies, matter power spectrum and 21cm line emission. I will give an overview of these effects together with constraints from current and future experiments.

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Session Classification: 10 - Cosmic magnetic fields