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## Scale Invariant Primordial Helical Magnetic Fields and the Duration of Inflation

*Monday 9 May 2016 14:15 (15 minutes)*

I will overview the main characteristics of primordial helical fields. I will discuss the (nearby) scale invariant helical magnetic fields generated during inflation. It will be shown that if magnetic helicity of such fields is measured, it can be used to determine the beginning of inflation. Upper bounds on magnetic helicity can be used to derive constraints on the minimal duration of inflation. Observational constraints on magnetic helicity will be addressed

### Summary

This talk address the primordial helical magnetic field generation, evolution, and signatures.

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