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## Phases of axion inflation

*Tuesday, 20 June 2017 14:30 (15 minutes)*

A central theme in string cosmology in recent years has been the construction of realistic large field inflationary models through axions. In this talk we will discuss a set-up with both closed and open string axions in Type IIA string theory in which strong dynamical effects determine the inflaton candidate. The interplay of Nambu-Jona-Lasinio type interactions, gauge instantons and chiral condensates leads to distinct types of inflationary models, which correspond to different phases of axion inflation in analogy to the different phases of a non-Abelian gauge theory.

### **Presentation type**

Parallel talk

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