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# Constraints on Supersymmetric Cosmological Inflation Model

*Monday 5 May 2014 15:15 (15 minutes)*

Cosmological Inflation is a theory ad hoc from Particle Physics in Cosmology. It is a very important inclusion in early universe study and became one of the very important and open topic of research in last three decades. In my talk I will go through some of the well known models of cosmological inflation and what is the chance of survival of these models as we test them with observational results. With the recent data from Planck project, we get better idea about the CMB and thus can study these models in details. On the other hand different experimental bounds from different particle physics experiment effects this models too. In this presentation my special emphasis will be on those models which depend on SUSY when built and how they can be affected by the recent developments in observations.

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