



ID de Contribution: 31

Type: **Non spécifié**

## Particle production in an early supersymmetric universe

*mercredi 11 mars 2009 20:05 (8 minutes)*

The mechanism of preheating in supersymmetric models of inflation will be introduced in context of existence of flat directions. Flat directions, a typical feature of supersymmetric models, can acquire large vacuum expectation values (VEVs) during inflation. A recent discussion about the impact of such large VEVs on the process of non-perturbative particle production will be presented, signalizing the role of supergravity corrections.

**Auteur principal:** Mme KAMINSKA, Anna (University of Warsaw, Institute of Theoretical Physics)

**Co-auteur:** M. PACHOLEK, Pawel (University of Warsaw, Institute of Theoretical Physics)

**Orateur:** Mme KAMINSKA, Anna (University of Warsaw, Institute of Theoretical Physics)

**Classification de Session:** Young Scientists Forum 2