

## **M. Gomez-Reino: "dS vacua and modular inflation in N=1 supergravity and string theory"**

*Friday, 25 July 2008 10:30 (30 minutes)*

I will discuss the possibility of obtaining vacua with spontaneously broken supersymmetry and non-negative cosmological constant in the moduli sector of string models, as well as the possibility of realising slow-roll inflation. I will show that there exist some simple conditions for this to happen which depend only on the Kahler potential. I will then analyse the implications of these conditions through some examples.

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**Track Classification:** W1