

Third Workshop on Current Challenges in Cosmology



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Hubble-induced phase transitions: Ricci-reheating, Cosmic Defects and Gravitational Waves

Friday 27 October 2023 10:15 (1 hour)

A post-inflationary epoch with a stiff equation of state parameter, like it happens in quintessential inflation, leads to an interesting phenomenology in the presence of non-minimally coupled spectator fields with internal symmetries. I will discuss how this scenario can provide an efficient reheating mechanism, the formation of cosmic defects and the production of gravitational waves and how these can be used to test early universe properties.

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