



Contribution ID: 31

Type: **not specified**

Cosmological gravitational particle production: Starobinsky vs Bogolyubov, uncertainties, and issues

Monday 2 June 2025 11:00 (30 minutes)

Gravitational particle production provides an ever-present background in non-thermal dark matter studies. I discuss the correspondence between the Starobinsky and Bogolyubov approaches to the problem of inflationary particle production, and derive strong constraints on frameworks with scalar dark relics.

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Session Classification: UK-APP