



Canadian Association
of Physicists

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Type: **Invited Speaker / Conférencier(ère) invité(e)**

(I) Some challenges for theoretical cosmology

Tuesday 8 June 2021 15:45 (25 minutes)

I will review some important challenges for theoretical cosmology, focusing on the trans-Planckian problem for inflation and the anisotropy problem for matter bounce and ekpyrosis, and I will discuss some recent work exploring particular aspects of these problems.

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Session Classification: TS1-4 Early Universe (DTP Symposium on Cosmology: James Peebles Nobel Celebration) / L'univers jeune (Symposium DTP sur la cosmologie: le prix Nobel de James Peebles)

Track Classification: Symposia Day (DTP) - Cosmology/Jim Peebles celebration