



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 2326

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

Surprising consequences of a positive cosmological constant (I)

Wednesday 13 June 2018 11:30 (30 minutes)

The study of isolated systems has been vastly successful in the context of vanishing cosmological constant, $\Lambda=0$. However, there is no physically useful notion of asymptotics for the universe we inhabit with $\Lambda>0$. The full non-linear framework is still under development, but some interesting results at the linearized level have been obtained. I will focus on the conceptual subtleties that arise at the linearized level and discuss the quadrupole formula for gravitational radiation as well as some recent developments.

Primary author: Dr BONGA, Beatrice (Perimeter Institute)

Presenter: Dr BONGA, Beatrice (Perimeter Institute)

Session Classification: W2-4 General Relativity II (DTP) | Relativité générale II (DPT)

Track Classification: Theoretical Physics / Physique théorique (DTP-DPT)