



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

(I) Shock waves from quantum black holes

Monday 19 June 2023 16:00 (30 minutes)

What is a quantum black hole? How does it form and how long does it last? I will provide an answer to these questions via an effective equation that describes gravitational collapse of dust with quantum corrections. Solving this equation reveals that black holes end in a shock wave after a time of order mass squared.

Keyword-1

Black holes

Keyword-2

Quantum gravity

Keyword-3

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Session Classification: (DTP) M3-9 Strong Gravity and Black Holes | Gravité forte et trous noirs (DPT)

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