



Canadian Association
of Physicists

Association canadienne
des physiciens et physiciennes

Contribution ID: 4639

Type: Oral (Non-Student) / Orale (non-étudiant(e))

Shock waves from quantum gravitational collapse

Monday 27 May 2024 11:00 (15 minutes)

I will describe recent work on gravitational collapse of dust using effective equations. Solutions of these equations exhibit formation of horizons, with a shock wave emerging as the horizons evaporate. The lifetime of a black hole turns out to be proportional to the square of its mass.

Presenter: HUSAIN, Viqar (University of New Brunswick)

Session Classification: (DTP) M1-2 Quantum Gravity and Cosmology | Gravit  quantique et cosmologie (DPT)