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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 | Gravité quantique et cosmologie (DPT)