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## **R. Brito: Floating orbits, superradiant scattering and the black-hole bomb: 50 years after**

*Tuesday 20 December 2022 09:00 (15 minutes)*

This year we celebrate the 50 years of the highly influential paper “Floating Orbits, Superradiant Scattering and the Black-hole Bomb” by William Press and Saul Teukolsky [Nature 238, 211-212 (1972)]. In this talk I will briefly review the fascinating ideas put forward in this paper and highlight the main implications that it had for black hole physics, astrophysics and even particle physics.

**Session Classification:** Session 5