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## Phase diagram of near-extremal geometries in five dimensions

*Friday 4 October 2024 11:00 (10 minutes)*

Classical GR in five dimensions is richer than our usual four dimensional universe in terms of geometries with horizons and singularities, i.e. “black stuff”. Here we aim to study two of those geometries and try to establish how they both converge to a common “critical geometry” in a specific extremal regime, bringing a picture equivalent to a phase diagram of black geometries in five dimensional spacetimes.

### Poster

**Presenter:** RAFECAS, Jordi

**Session Classification:** Morning talks