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## A gravitational collapse singularity theorem which does not require chronology

*Tuesday, 24 September 2019 10:50 (35 minutes)*

I present a new gravitational collapse singularity theorem which improves Penrose's and which does not assume predictability (global hyperbolicity) while it is compatible with chronology violation (closed timelike curves) and black hole evaporation.

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**Session Classification:** The Mathematical side of Causality