

# Simulations of auto-gravitating disks with Ramses

*Wednesday, 2 October 2019 15:30 (20 minutes)*

We run hydrodynamical simulations of protoplanetary disk to investigate the effects of a classical very simplified cooling model on disk fragmentation. The goals are to estimate the fragmentation boundary when using a Godunov scheme, probe convergence and build a simple analytical model.

**Presenter:** Mr BRUCY, Noe (CEA)

**Session Classification:** Protostellar Systems