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Type: **Invited talk in a parallel session**

## Numerical models of GRB central engines and challenges with observations

*Thursday, 11 July 2024 15:00 (35 minutes)*

I will review the recent developments of GR MHD numerical simulations of GRB central engines.  
I will also present some multi-messenger observational challenges still unsolved by these models.

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**Session Classification:** Gamma ray bursts relationships in multi-wavelengths as cosmological tools

**Track Classification:** Gamma-Ray Bursts (GB): Gamma ray bursts relationships in multi-wavelengths as cosmological tools