The Planet-Forming Environment Close to Young Stars: Signatures of young hot planets

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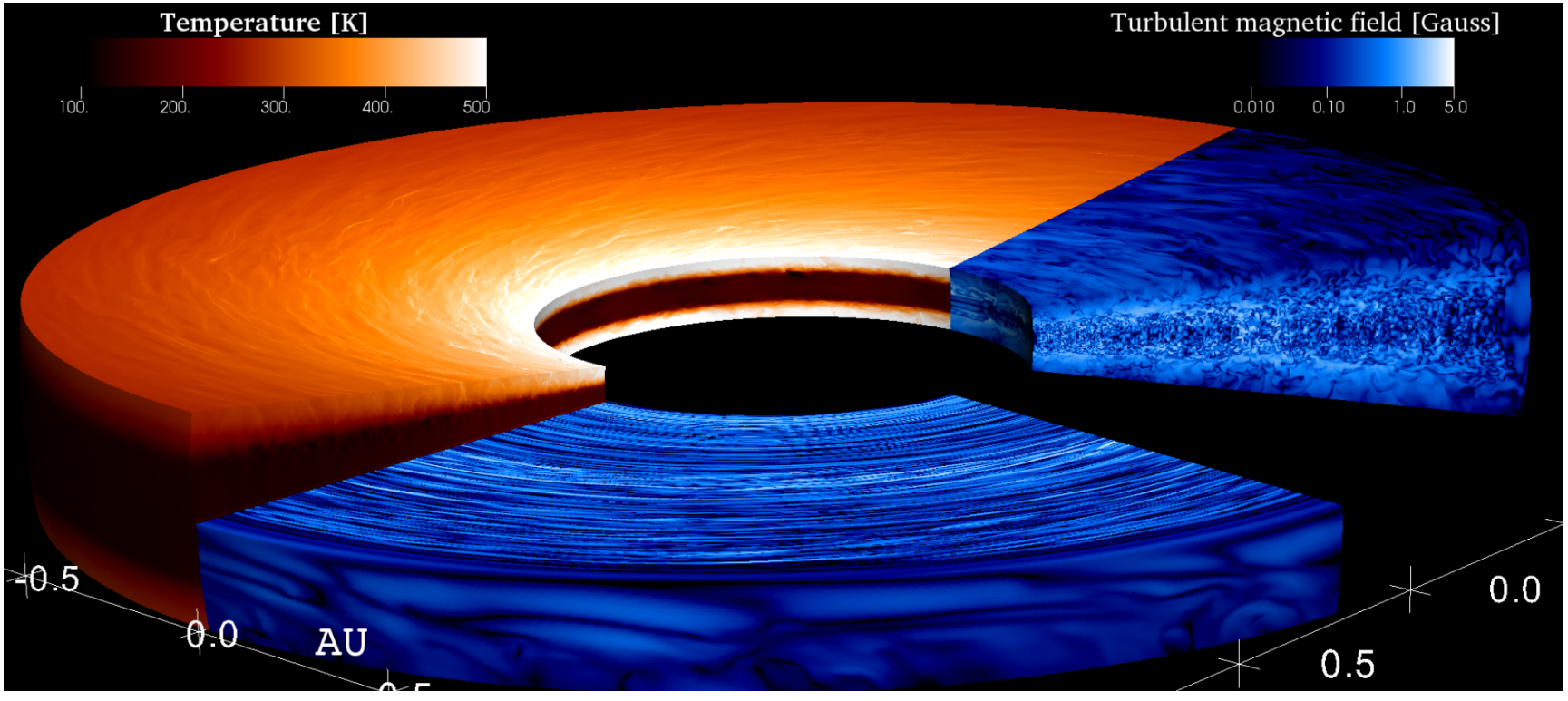
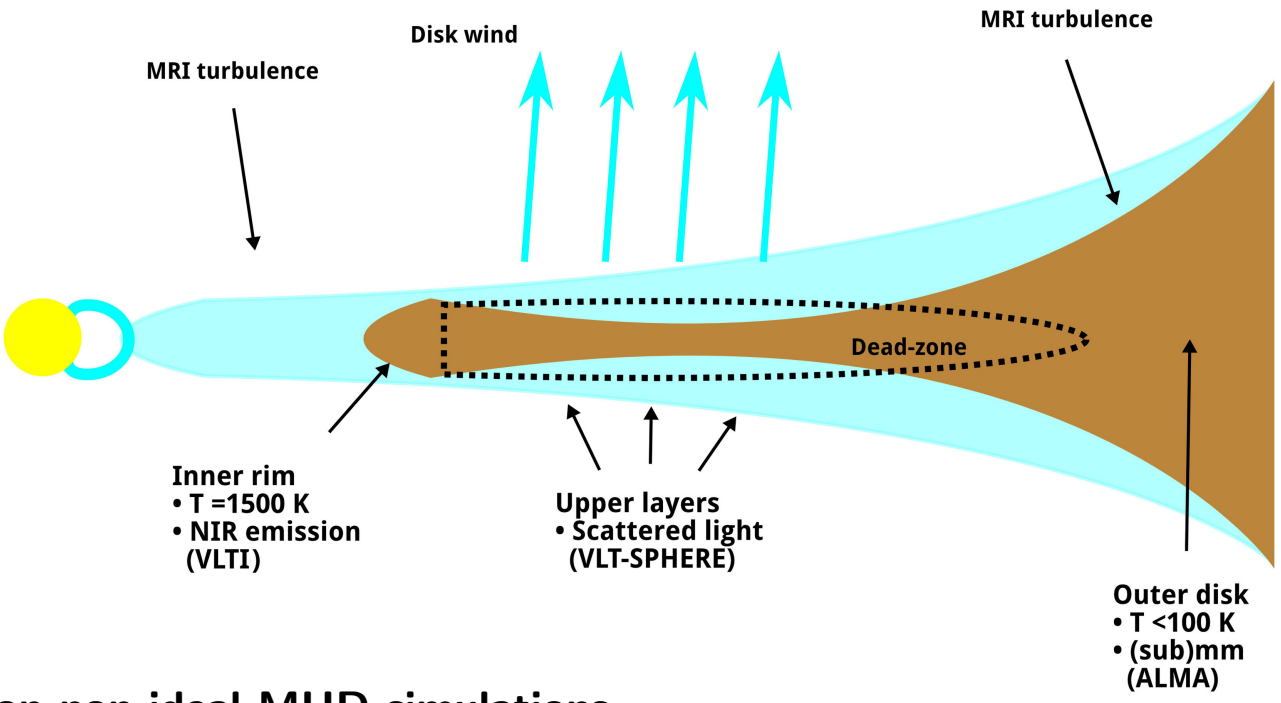
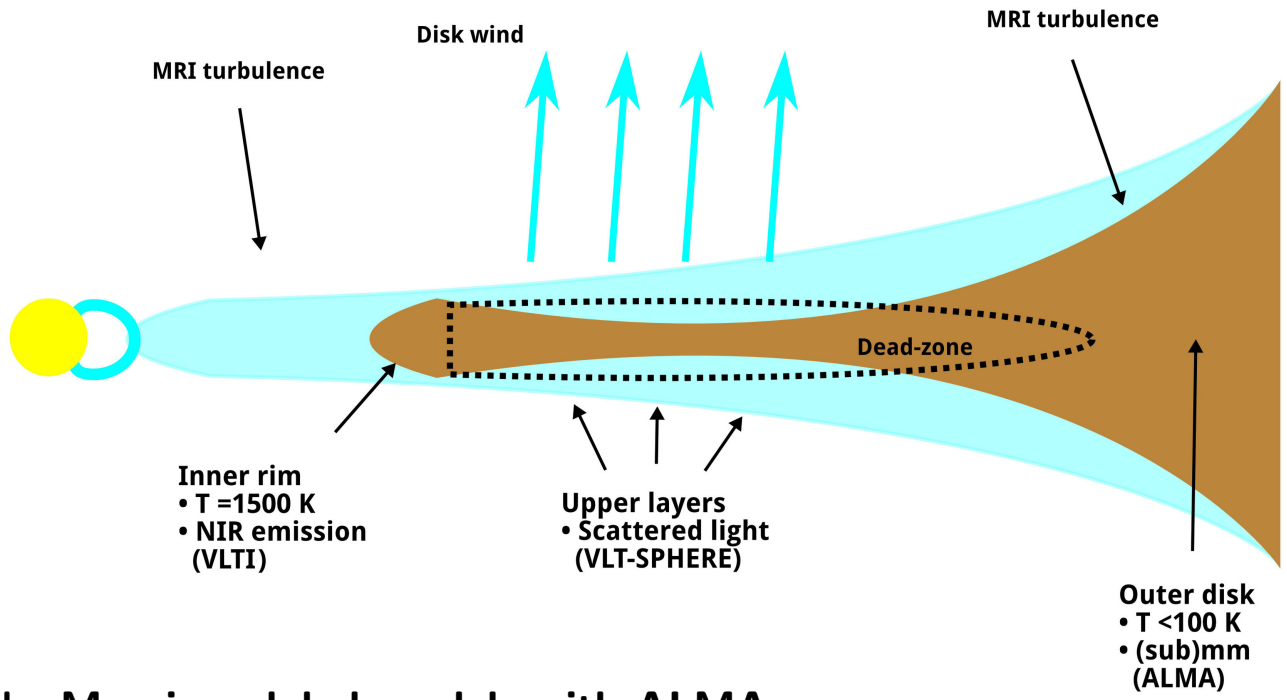


How and where do planets form ?

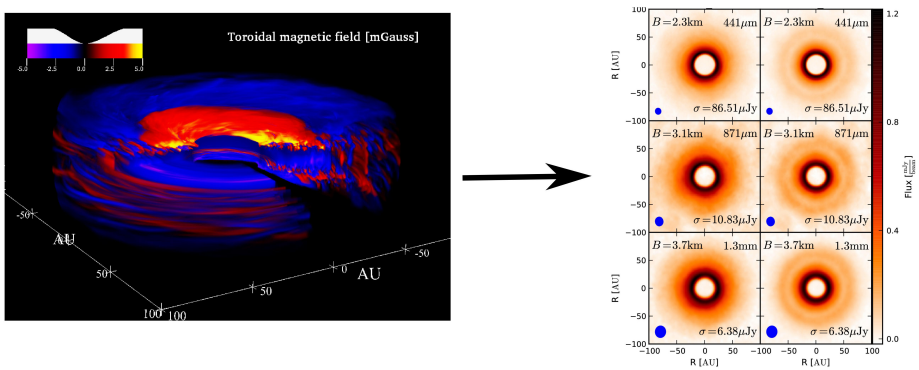


- **Global radiation non-ideal MHD simulations** to study gas and dust dynamics.

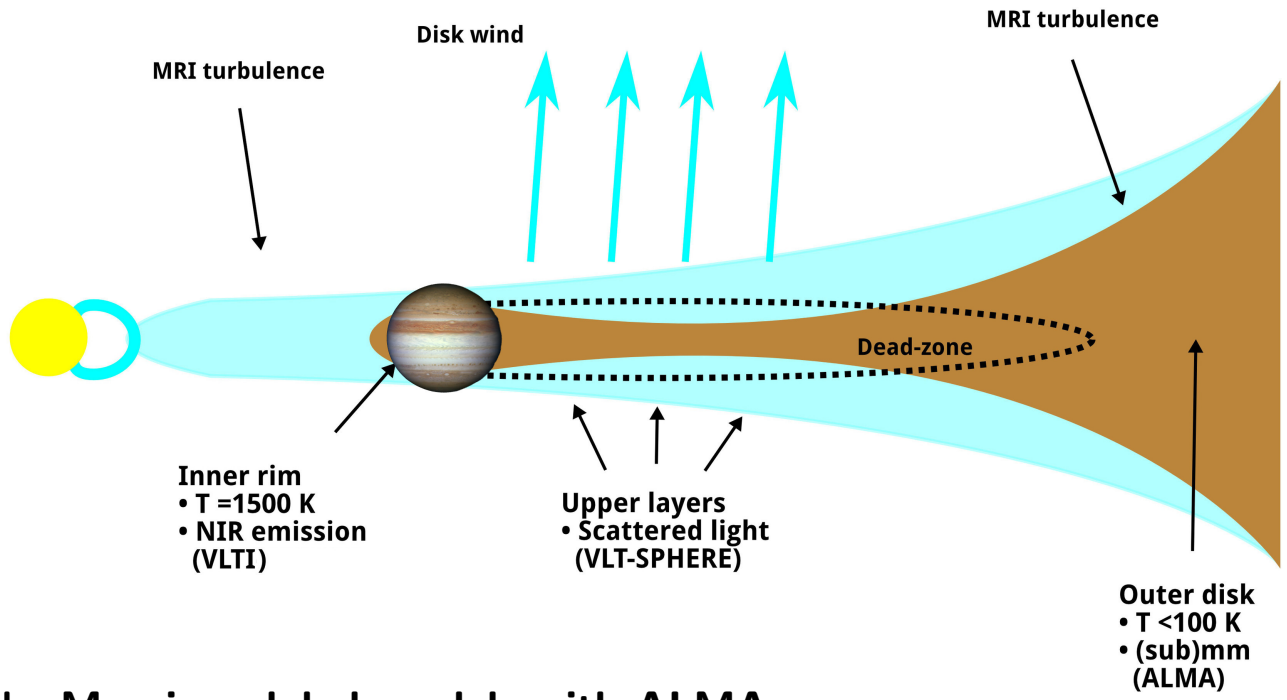
How and where do planets form ?



- **The outer disk: Merging global models with ALMA observations: Flock et al. 2015**

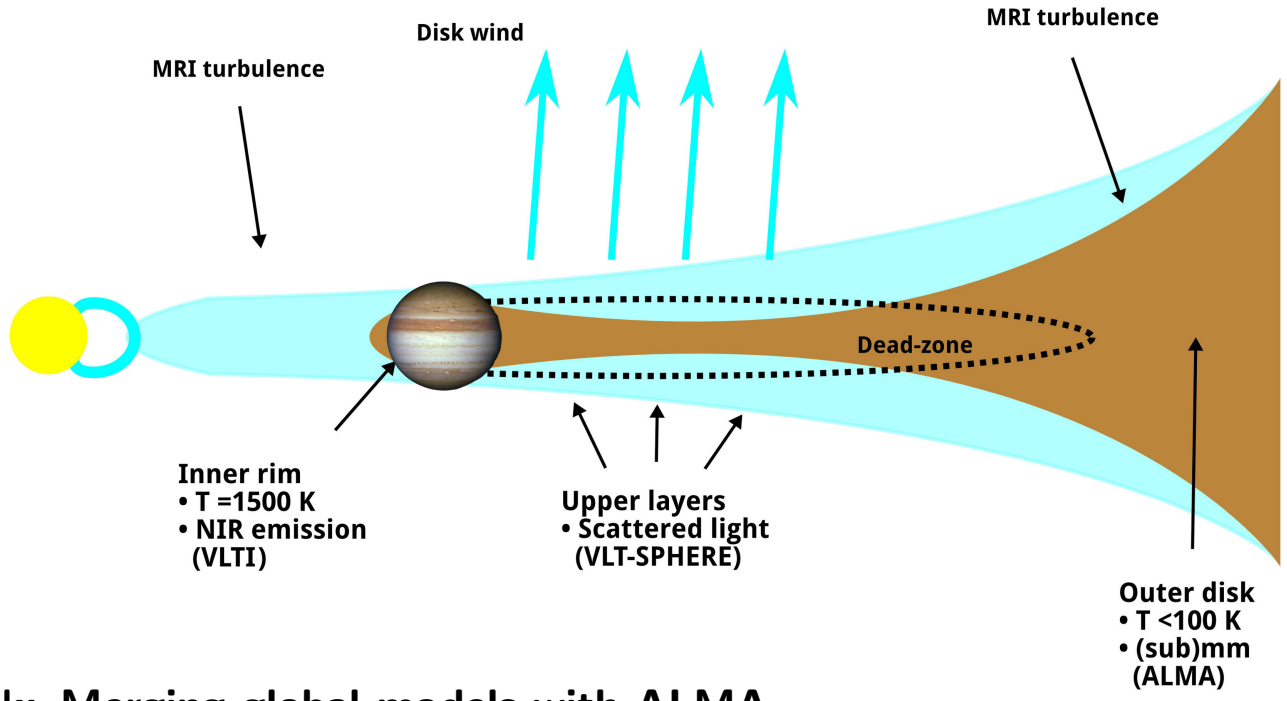


How and where do planets form ?



- **The outer disk: Merging global models with ALMA observations: Flock et al. 2015**
- The inner dust disk edge is a prefered location for planet formation.
  - Construct radiation MHD models of the inner disk.
  - Study the migration of planets inside and outside of the inner edge.
  - Investigate for observational signatures from the disk/planet.

How and where do planets form ?



- **The outer disk: Merging global models with ALMA observations: Flock et al. 2015**
- The inner dust disk edge is a prefered location for planet formation.
- If you know a good star-disk candidate to model: **contact us !**