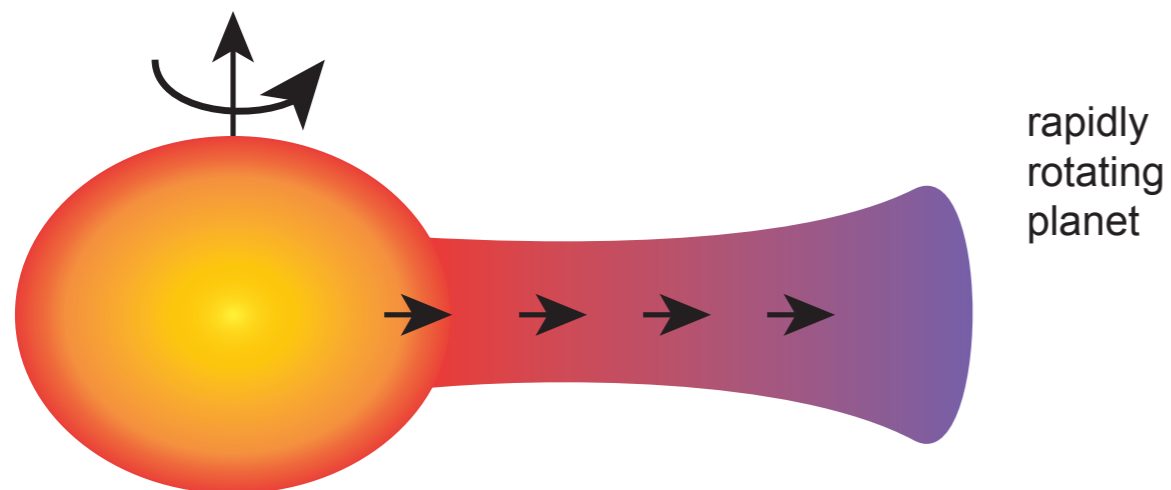
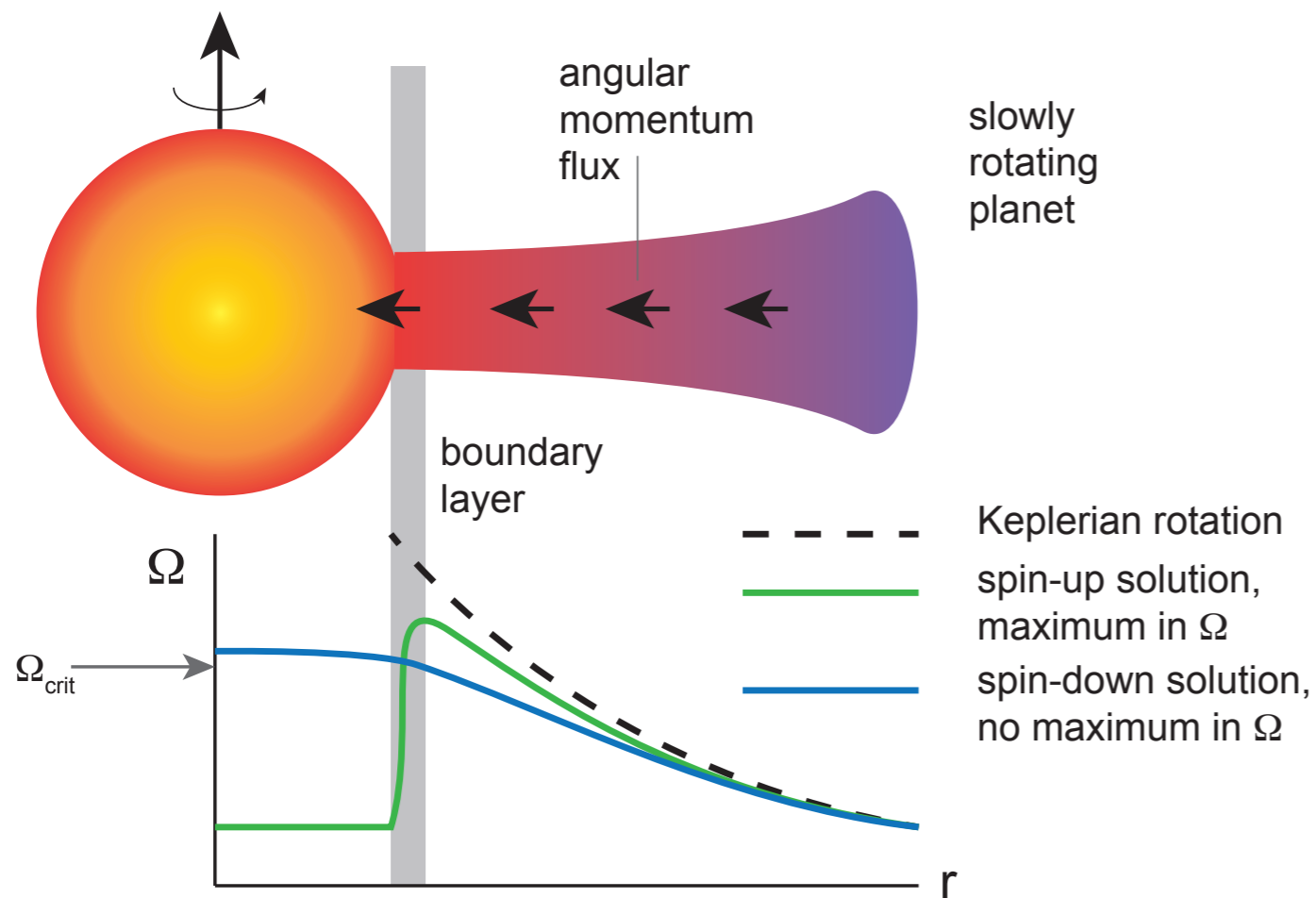


Boundary Layer Circumplanetary Accretion

How Fast Could an Unmagnetized Planet Spin Up Through Its Disk?



- 2D, axisymmetric, viscous hydrodynamic simulation in Athena++ to find the critical spin rate
- Setup: a rotating planet + a circumplanetary disk
- Critical spin rate: 0.7—0.8 breakup rates of the planet
- Above the critical spin rate, accretion disk \rightarrow "decretion" disk
- Meridional circulation observed in the circumplanetary disk

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