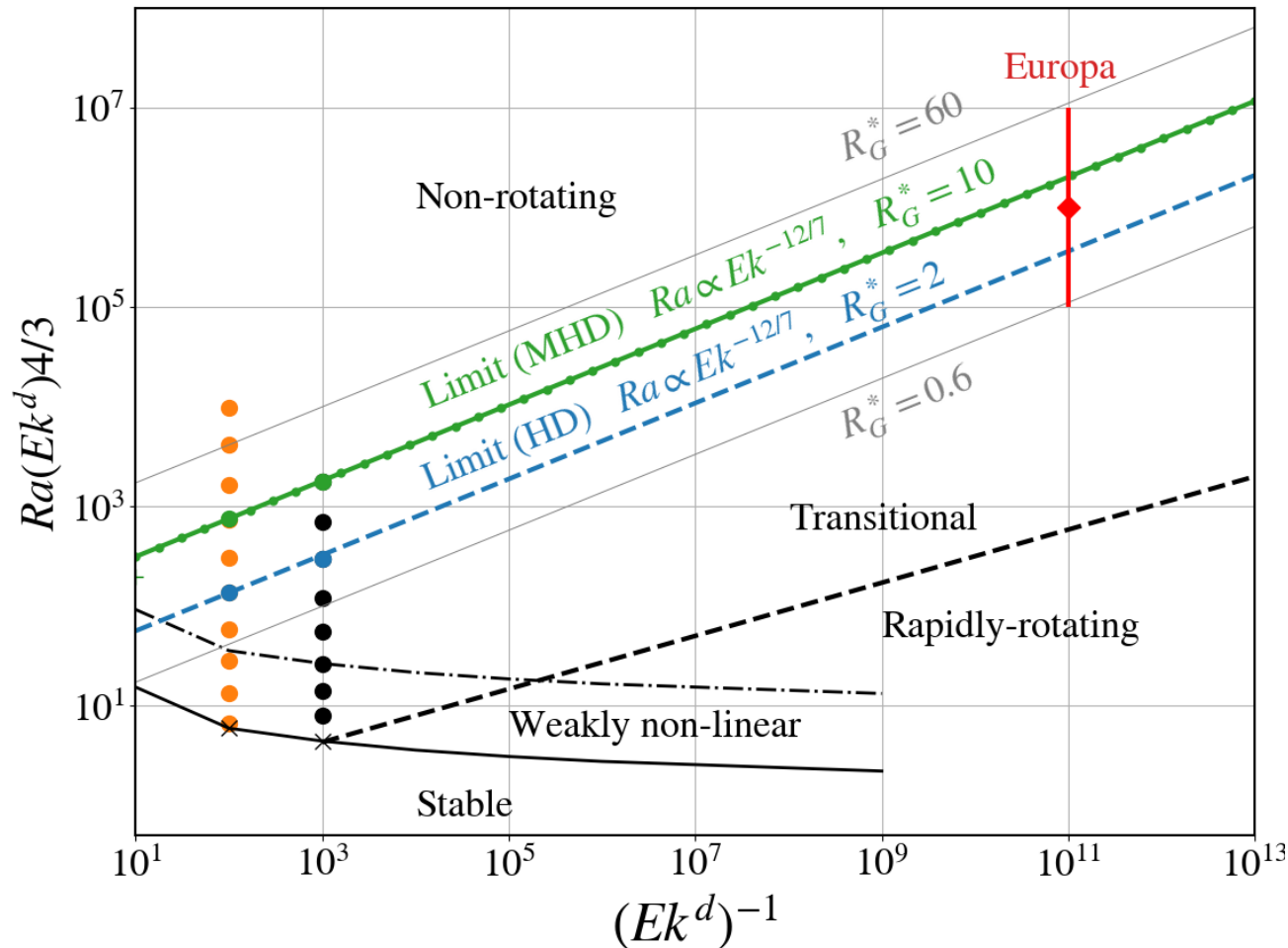


# Rotating convection and magnetically-driven flows in Europa's subsurface ocean.

Setup

DNS: Jovian magnetic field + thermal convection

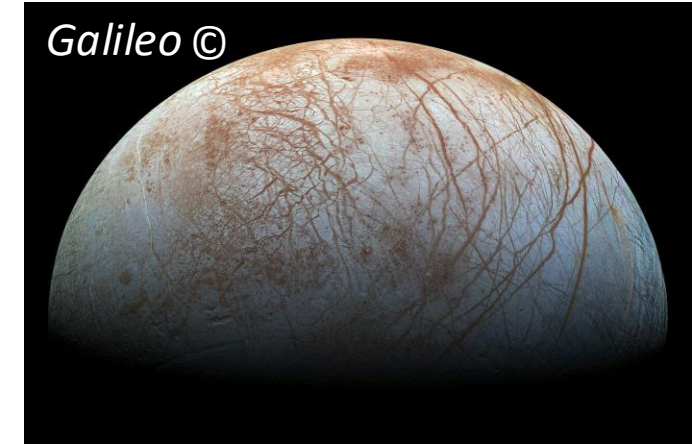


AGENCE NATIONALE DE LA RECHERCHE  
ANR

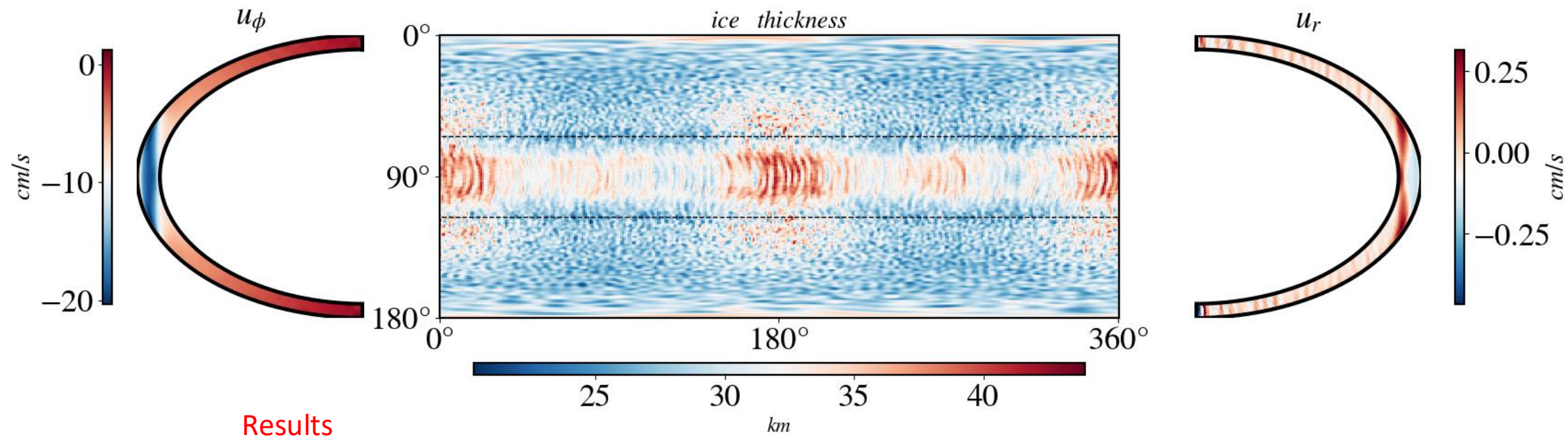
LPENS  
LABORATOIRE DE PHYSIQUE  
DE L'ÉCOLE NORMALE SUPÉRIEURE

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# Rotating convection and magnetically-driven flows in Europa's subsurface ocean.



1D ice thickness model



## Results

- New thresholds for convection
- Modified spatial distribution of the heat flux
- Impact on the thickness of the ice