

Linear study of shear-driven instabilities in stellar radiative regions

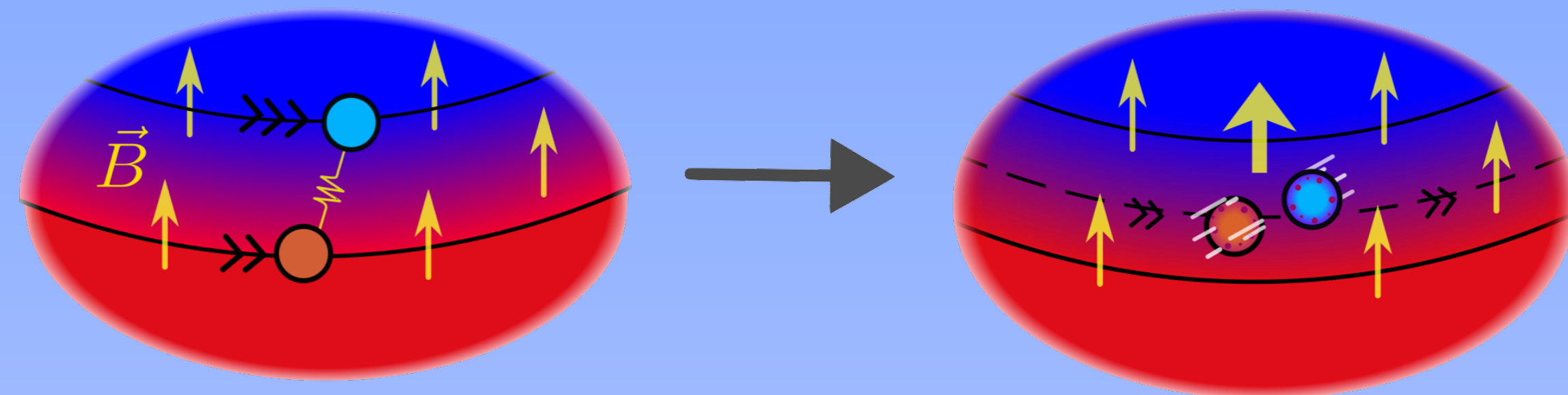
Virgin Durepaire, L.Petitdemange, K.Belkacem, *et al.*
LIRA, Observatoire de Paris

Exploration of the *magneto-buoyant regime*

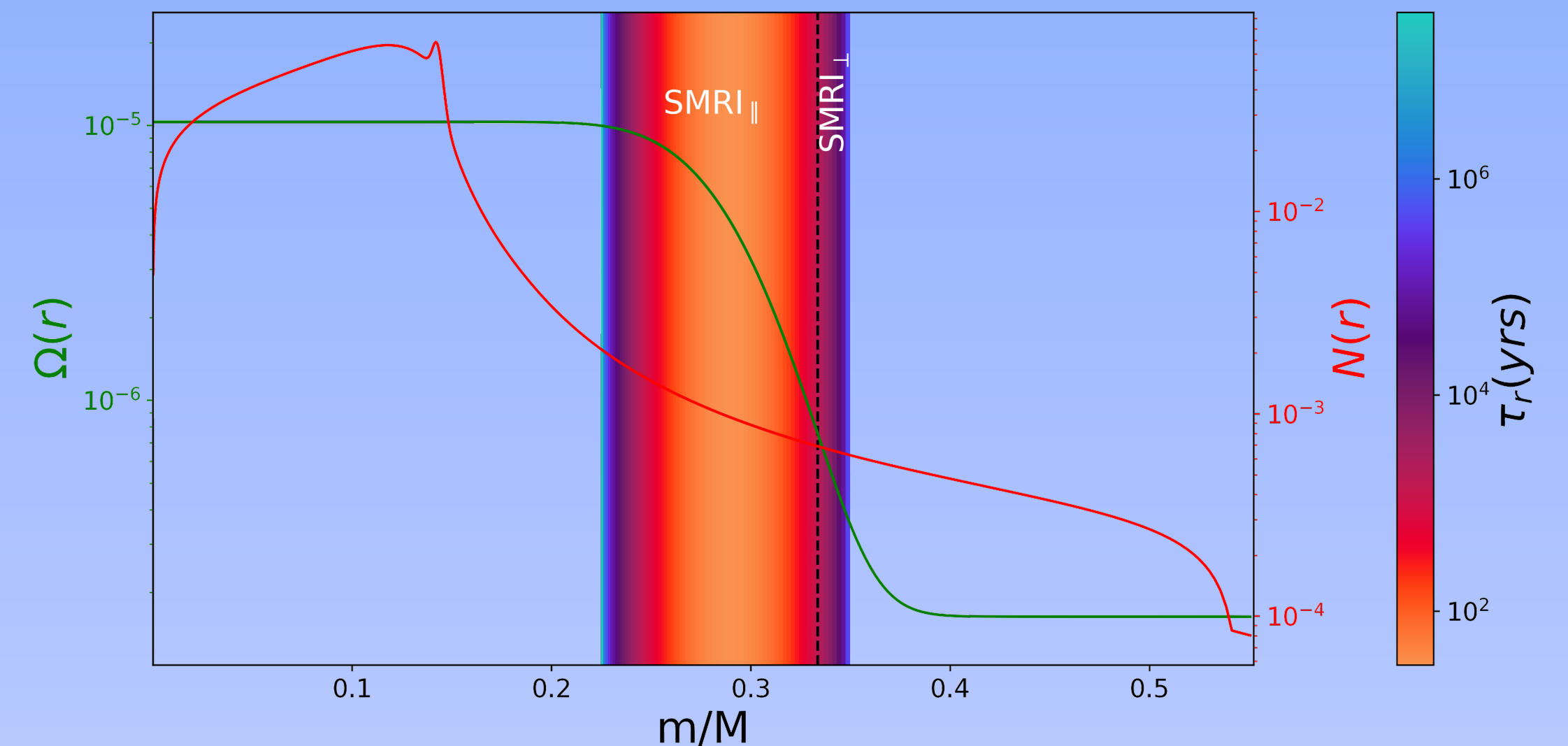
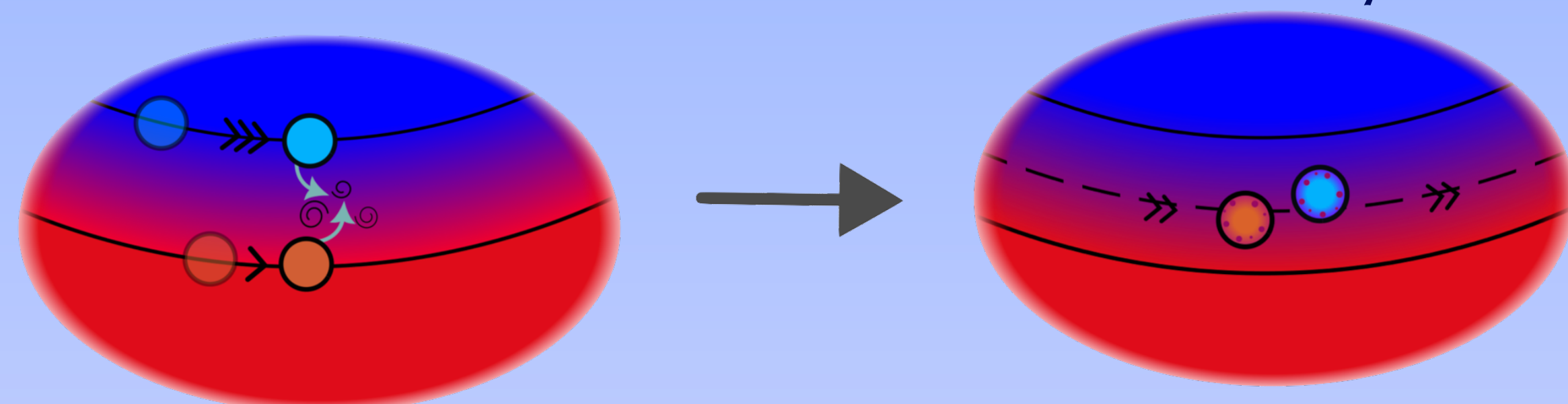
$$\vec{B} + \equiv \nabla T$$

→ New **stability criterion** and **growth-rate scaling**

Magneto-rotational instability



Goldreich-Schubert-Fricke instability



→ Assess their **efficiency** during stellar evolution