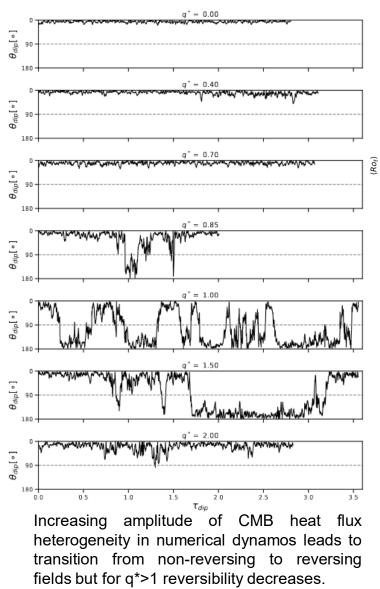
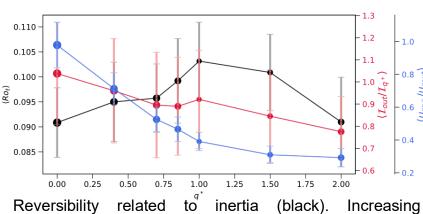
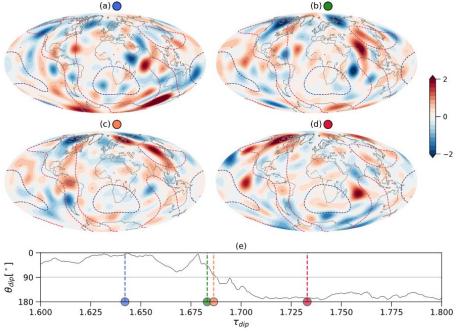
Regionally-triggered geomagnetic reversals





Reversibility related to inertia (black). Increasing reversibility at q*<1 -- enhanced convection at large CMB heat flux regions (red). Decreasing reversibility at q*>1 -- partial stratification at low heat flux regions (blue).



Example of a reversal. Magnetic flux is concentrated at regions of large CMB heat flux (red dashed lines) and avoids regions of low heat flux (blue lines).

Terra-Nova, F., and Amit, H., Scientific Reports, April 2024