



# RMHD-2021

## Monday, 20 September 2021

### Astrophysical and geophysical magnetohydrodynamics: Session 5 - Astrophysical and geophysical magnetohydrodynamics

(14:30 - 15:50)

time	[id] title	presenter
14:30	[21] Could Earth's solid core be a magnet?	GOLBRAIKH, E
14:50	[22] Possible synchronization mechanisms for Short- and long-term cycles of the solar dynamo	STEFANI, F
15:10	[23] The joint cooling model of the core and mantle	RESHETNYAK, M
15:30	[24] Nesting magnetic activity on the fast rotating solar analogs	PIPIN, V

# Wednesday, 22 September 2021

## Astrophysical and geophysical magnetohydrodynamics: Session 23 - Astrophysical and geophysical magnetohydrodynamics (16:30 - 18:10)

time	[id] title	presenter
16:30	[105] Finite memory time and anisotropy effects for the initial stage of dynamo process	ILLARIONOV, E
16:50	[106] The magnetic helicity and higher helicity invariants as constraints for dynamo action	AKHMET'EV, P
17:10	[107] Magnetic field symmetries in the frame of spherical dynamo for exoplanets and host stars	YUSHKOV, E
17:30	[108] Magnetosphere response to solar wind forcing: 2D MHD simulation results at various solar wind parameters	LIKHACHEV, A
17:50	[109] Study of astrophysical magnetic turbulence with new generation X-ray polarimeters. Application to supernova remnants	UVAROV, Y