



# Sixteenth Marcel Grossmann Meeting

## Friday, 9 July 2021

### MHD Processes Near Compact Objects: Block 1 (06:30 - 09:30)

-Conveners: Sergey Moiseenko

time	[id] title	presenter
06:30	[294] A semi-implicit multidimensional unstructured gas dynamical solver for astrophysical applications	KONDRATYEV, Ilya
06:50	[624] Ultraluminous X-ray sources as magnetically powered advective flows around stellar-mass black holes	MONDAL, Tushar
07:10	[506] Calculation of the tensor components of the kinetic coefficients of arbitrarily degenerate electrons in the neutron star crust.	GLUSHIKHINA, Maria
07:30	[707] The origin of hydrodynamic instability from noise in the Keplerian accretion flow and its rivalry with the magento-rotational instability	GHOSH, Subham
07:50	10 minutes break	
08:00	[479] Magnetized Neutron Stars Propagating Through A Non-Uniform ISM	TOROPINA, Olga
08:20	[414] Geometrically thick tori around compact objects with a quadrupole moment	MEMMEN, Jan-Menno
08:40	[1059] Particle acceleration and high energy emission in the white dwarf binaries AE Aquarii and AR Sco	MEINTJES, Pieter
09:00	[1093] Modeling of magnetic fields of accretion discs, using no-z- and RZ-approximations	PASHENTSEVA, Maria