

PLUTO Symposium (28 - 29 June 2021)

| | 28/06/21 | 29/06/21 |
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| 9.30 - 10.00 | A. Mignone: <i>Introduction: past, present and future of PLUTO.</i> | |
| 10.00 - 10.20 | A. Mignone: <i>Hybrid frameworks for fluid and particles.</i> | C. Zanni: <i>AMR computations with the PLUTO code: recent applications</i> |
| 10.20 - 10.40 | B. Vaidya: <i>Understanding the interplay of particle acceleration in MHD flows using hybrid (Lagrangian) framework.</i> | J.D. Melon-Fuksman: <i>A new module for radiation transport in the PLUTO code</i> |
| 10.40 - 11.00 | H. Haudemand: <i>The Guiding Center Approximation for test particles in PLUTO</i> | G. Mattia: <i>A new module for resistive relativistic plasmas in the PLUTO code</i> |
| 11.00 - 11.20 | Coffee Break | Coffee Break |
| 11.20 - 11.40 | G. Lesur: <i>A performance portable implementation of PLUTO algorithms using the Kokkos metaprogramming library</i> | D. Mukherjee: <i>Simulating non-thermal electrons in relativistic jets</i> |
| 11.40 - 12.00 | M. Rossazza: <i>GPU-porting of the PLUTO code</i> | M. Flock: <i>Streaming instability in global simulations of protoplanetary disks</i> |
| 12.00 - 12.20 | E. Puzzeni: <i>The implementation of mapped grids in the PLUTO code</i> | S. Sheikhezami: <i>MHD simulations of jet launching in binary systems using PLUTO code</i> |
| 12.20 - 12.40 | V. Berta: <i>A genuine fourth order accurate scheme for the PLUTO code</i> | A. Pavan: <i>Short gamma-ray burst jets from binary neutron star mergers</i> |
| 12.40 - 14.00 | Lunch Break | Lunch Break |
| 14.00 - 14.20 | L. Held: <i>Shearing box simulations of accretion disks in PLUTO</i> | E. Puzzeni: <i>On the Impact of the Numerical Method on Magnetic Reconnection and Particle Acceleration - the MHD case.</i> |
| 14.20 - 14.40 | D. Meyer: <i>The circumstellar medium of massive stars</i> | S.S. Mondal: <i>MHD-PIC: A novel approach to study particle acceleration in CME shocks</i> |
| 14.40 - 15.00 | Coffee Break | Coffee Break |
| 15.00 - 17.00 | Hands on session | Bug report |