Strongly Coupled Coulomb Systems 2022

Monday 25 July 2022

Dense and Astrophysical Plasmas: 1 (Chair: Dominik Kraus) (09:00 - 10:45)

time	[id] title	presenter
09:00	[4] Ab Initio Simulations for Warm Dense Matter with Applications in Planetary Physics	MILITZER, Burkhard
09:50	[5] Density Functional Theory calculations for high- temperature carbon plasmas	BETHKENHAGEN, Mandy
10:25	[6] Electronic transport coefficients of hydrogen from density functional theory across the plasma plane	FRENCH, Martin

Dense and Astrophysical Plasmas: 2 (Chair: David Chapman) (12:45 - 14:00)

time	[id] title	presenter
12:45	[7] Mean Force Kinetic Theory	BAALRUD, Scott
13:20	[8] Dynamical formation of the Diamond rain in icy giant planets by C-H immiscibility	CHEN, Bo
13:40	[9] Electrical Conductivity of Iron in Earth's Core from Microscopic Ohm's Law	RAMAKRISHNA, Kushal

Tuesday 26 July 2022

Dense and Astrophysical Plasmas: 3 (Chair: Mandy Bethkenhagen) (14:30 - 15:30)

time	[id] title	presenter
14:30	[22] Carbon ionization in the hot dense regime	CLEROUIN, Jean
14:50	[23] Dynamic Structure Factor of the Magnetized One-Component Plasma: Crossover from Weak to Strong Coupling	KÄHLERT, Hanno
15:10	[24] Ab initio simulations for the ion-ion structure factor of warm dense aluminum	SCHÖRNER, Maximilian