

Strongly Coupled Coulomb Systems 2022

Wednesday 27 July 2022

Plasmas in Condensed Matter: 1 (Chair: David Neilson) (09:00 - 10:45)

time	[id] title	presenter
09:00	[31] Collective modes in beyond-graphene atomically thin materials	POLINI, Marco
09:50	[32] Eliashberg theory of superconductivity from electronic collective excitations	VIGNALE, Giovanni
10:25	[33] Ultrafast dynamics of quantum many-body systems including dynamical screening and strong coupling	BONITZ, Michael

Plasmas in Condensed Matter: 2 (Chair: Roi Baer) (11:15 - 12:30)

time	[id] title	presenter
11:15	[34] Quantum geometric plasmonics: Berry curvature, quantum metric, and spontaneous collective mode ferromagnetism	SONG, Justin
11:50	[35] Collective excitations and quantum incompressibility in electron-hole fluids	SENATORE, Gaetano
12:10	[36] Ultrafast Dynamics of Laser-Excited Topological Edge States in Graphene Nanoribbon Heterostructures	JOOST, Jan-Philip

Thursday 28 July 2022

Plasmas in Condensed Matter: 3 (Chair: Gaetano Senatore) (14:30 - 15:30)

time	[id] title	presenter
14:30	[43] Ultradilute quantum liquid of dipolar atoms in a bilayer	BORONAT, Jordi
14:50	[44] Microfluidic flow in single-layer dusty plasmas	HARTMANN, Peter
15:10	[45] Coulomb gas sum rules for vortex-pair fluctuations in 2D superfluids	WILLIAMS, Gary