

International Magnetosphere Coupling IV (IMC-IV) Workshop

Monday 3 June 2024

Cross-energy, Cross-scale, Mass Coupling and Transport - Lecture Room 1 (14:30 - 16:00)

-Conveners: David Hartley; Rumi Nakamura

time	[id] title	presenter
14:30	[21] Magnetosheath Jets: Recent Advancements	PLASCHKE, Ferdinand
14:40	[175] Discussion	
14:50	[22] Magnetosheath high speed jets observed by Cluster and MMS	ESCOUBET, Christophe
15:00	[174] Discussion	
15:10	[23] Poleward Moving Alfvénic Power due to Transient Dayside Reconnection	LOTKO, Willian
15:15	[176] Discussion	
15:20	[24] Outflow and escape of terrestrial ionospheric heavy ions: Cluster advances and open questions	DANDOURAS, Iannis
15:25	[178] Discussion	
15:30	[25] Cross-scale processes in the transition region	NAKAMURA, Rumi
15:35	[177] Discussion	
15:40	[26] The morphology of the meso-scale inner-magnetosphere electric field and its role in plasma transport, M-I coupling, and ion outflows	THALLER, Scott
15:50	[173] Discussion	

Tuesday 4 June 2024

Cross-energy, Cross-scale, Mass Coupling and Transport - Lecture Room 2 (14:30 - 16:00)

-Conveners: David Hartley; Rumi Nakamura

time	[id] title	presenter
14:30	[76] Particle Energization by Turbulent Electric Fields in Fast Earthward Flows and Its Implications for the Dynamics of the Inner Magnetosphere	USANOVA, Maria
14:40	[268] Discussion	
14:50	[78] Low-Density Plasma Conditions as a Key Catalyst for Electron Acceleration in the Van Allen Radiation Belts	SHPRITS, Yuri
14:55	[267] Discussion	
15:00	[77] Energetic particle injections as a source of waves and ring current and radiation belt particles	TURNER, Drew
15:10	[269] Discussion	
15:20	[80] Can the Magnetotail Produce Relativistic Electrons?	RUNOV, Andrei
15:25	[266] Discussion	
15:30	[287] Additional discussion time	

Thursday 6 June 2024

Cross-energy, Cross-scale, Mass Coupling and Transport - House H (11:45 - 13:15)

-Conveners: David Hartley; Rumi Nakamura

time	[id] title	presenter
11:45	[125] The cross-energy dynamics of O ⁺ during geomagnetic storms	KISTLER, Lynn
11:55	[208] Discussion	
12:05	[126] The effect of the plasma sheet ion composition on the ring current heating of the plasmasphere and ionosphere	FERRADAS, Cristian
12:15	[207] Discussion	
12:25	[127] The controversial role of heavy ions in the dynamics of the magnetosphere	KRONBERG, Elena
12:35	[206] Discussion	
12:45	[128] GIAANT: geospace ion acceleration and transport in the 0 eV to 1 keV range	GOLDSTEIN, Jerry
12:55	[209] Discussion	
13:05	[296] Additional discussion time	