

European Space Weather Week 2025 - cloned July 3

Wednesday, 5 November 2025

SWR3 – Inner Magnetospheric Dynamics and Coupling Processes: orals - part 1 (15:00 - 16:30)

-Conveners: Ravindra Desai; Sarah Glauert; Alexander Lozinski

time	[id] title	presenter
15:00	[240] Inner Magnetospheric Coupling to the D-Region Ionosphere via Energetic Electron Precipitation: a Multi-Instrument Perspective	Dr LAM, Mai Mai
15:15	[5] Electron Precipitation driven by Chorus Wave in the Earth's inner magnetosphere	WANG, Xueyi
15:30	[249] Inner magnetosphere dynamics and coupling during weak, moderate, and strong geomagnetic storms: identifying key differences in coupling between the radiation belts, and the ionosphere during three case studies.	CLILVERD, Mark
15:45	[135] MLT-based parameterisation of ULF power and radial diffusion coefficients derived from ground magnetometers	PAPADIMITRIOU, Constantinos
16:00	[213] Propagation and Attenuation of Pc1 Waves from the Magnetosphere to the Ionosphere: Arase and PWING Observations	KWAK, Jaeyoung
16:15	[280] ULF waves driven by solar wind speed affecting outer radiation belt electron flux: A statistical analysis	ALVES, Livia

Thursday, 6 November 2025

SWR3 – Inner Magnetospheric Dynamics and Coupling Processes: Orals - part 2 (10:45 - 12:15)

-Conveners: Ravindra Desai; Sarah Glauert; Alexander Lozinski

time	[id] title	presenter
10:45	[335] Investigation of the Drivers Behind Sub-Relativistic Electron Variability in the Inner Magnetosphere	CHRISTODOULOU, Evangelia
11:00	[349] Shallow Internal Charging by 100 - 300 keV Electrons: A Previously Overlooked Space Weather Hazard in Geosynchronous Orbit	BUZULUKOVA, Natalia
11:15	[260] Alfvénic contribution from the solar wind to magnetospheric dynamics	CID, Consuelo
11:30	[303] Modelling the Outer Radiation Belt Electron Dynamics During the May 2024 Storm Using the VERB Code	WANG, Dedong
11:45	[205] Global MHD and Test-Particle simulations of outer radiation belt flux drop-out events	TONG, Yihui
12:00	[133] Radiation belt wave-particle interaction theory and modelling: What do we know and what are we yet to understand?	ALLANSON, Oliver

SWR3 – Inner Magnetospheric Dynamics and Coupling Processes: Orals - part 3 (14:45 - 16:00)

-Conveners: Ravindra Desai; Sarah Glauert; Alexander Lozinski

time	[id] title	presenter
14:45	[261] Relativistic Electron Loss and Acceleration Driven by Chorus Waves During a High-Speed Stream Event (HSS)	COLDEBELLA FERREIRA, Karen Júlia ALVES DA SILVA, Ligia ALVES, Livia DEGGERONI, vinicius
15:00	[196] A homogeneous data base of amplitudes of lower band whistler mode waves	SANTOLÍK, Ondřej
15:15	[215] Developing Analytical Chorus Wave Models Using the Data from Van Allen Probes and Arase Satellite	ROY, Alwin
15:30	[275] Whistler-Mode Wave Dynamics Across Plasmaspheric Plumes During a Geomagnetic Storm	MEDEIROS DA NÓBREGA, Gislayne
15:45	[173] Spectral Splitting of Long-Lasting Whistler Echo Trains Propagating in a Dual Ducting Structure	KOLMASOVA, Ivana

Friday, 7 November 2025

SWR3 – Inner Magnetospheric Dynamics and Coupling Processes: Orals - part 4 (08:30 - 09:30)

-Conveners: Ravindra Desai; Sarah Glauert; Alexander Lozinski

time	[id] title	presenter
08:30	[363] Long Term Performance of a Real-Time Electron Radiation Belt Specification Model	STAPLES, Frances
09:00	[144] Exploring the potential of data assimilation with a heterogeneous state vector as a physical parameter correcting approach for radiation belt physical models	DAHMEN, Nour
09:15	[217] FLAG: Forecasts and Long-term probabilistic data Assimilative prediction of the effects of Geomagnetic storms	SHPRITS, Yuri