

Swedish Space Plasma Physics Meeting, 1-2 February 2021
Online, operated from Kiruna

Schedule

Monday 1 February:

13:00-13:10 Welcome. General information.

13:10-13:25 **Angele Pontoni, IRF-K:** ENA sputtering from the surface of Ganymede

13:25-13:40 **Tomas Karlsson, KTH:** Cluster simultaneous observations in the solar wind and magnetosheath

13:40-13:55 **Giulia Cozzani, IRF-U:** The structure of a perturbed magnetic reconnection electron diffusion region

13:55-14:10 **Arnaud Beth, UmU:** 1D3V-PIC simulation of the diamagnetic cavity boundary at comets

14:10-14:20 Mini-break

14:20-14:35 **Konrad Steinvall, IRF-U:** Solar Orbiter observations of current sheets in the solar wind - Electric field analysis

14:35-14:50 **Linus Norenus, UmU:** Ground-based Magnetometer Response to Impacting Magnetosheath Jets

14:50-15:05 **Sofia Bergman, IRF-K:** Ion bulk speeds and temperatures in the diamagnetic cavity of comet 67P

15:05-15:35 Coffee in break-out rooms

15:35-15:50 **Joshua Dreyer, IRF-U:** Characteristics of Fragmented Aurora-like Emissions (FAEs) observed on Svalbard

15:50-16:05 **Sabrina Tigik Ferrao, KTH:** Investigation on the properties and origin of near Omega_{ce} whistler waves measured at small heliocentric distances by Parker Solar Probe.

16:05-16:20 **Yuri Khotyaintsev, IRF-U:** First observations from Solar Orbiter RPW/BIAS

Daniel Graham, IRF-U: Plasma frequency waves in the near-Earth plasma environment

16:20-16:30 Mini-break

16:30-16:45 **Chinmaya Nayak, IRF-U:** Identifying evolving/non-evolving plasma bubbles from SWARM observations

16:45-17:00 **Siung Chong, UmU:** Tailward flows in the vicinity of fast earthward flows in Earth's magnetotail

Tuesday 2 February:

13:00-13:10 Welcome. General information.

13:10-13:25 **Savvas Raptis, KTH:** Differentiating Between Convective and Nested Structures with a Single Spacecraft

13:25-13:40 **Philipp Wittmann, IRF-K:** Calibration results from the Jovian plasma Dynamics and Composition analyzer (JDC)

13:40-13:55 **Sara Östman, UmU:** The Changing Character of Mars' Bow Shock

13:55-14:10 **Ahmad Lalti, IRF-U:** Source of Whistler Precursor Waves At Quasi-Perpendicular Super-Critical Shocks

14:10-14:20 Mini-break

14:20-14:35 **Martin Lindberg, KTH:** Entropy across Quasi-Perpendicular Shocks using MMS-data

14:35-14:50 **Katerina Stergiopoulou, IRF-U:** A two-spacecraft study of Mars' induced magnetosphere's response to upstream conditions

14:50-15:05 **Herbert Gunell, UmU:** Ion acoustic waves during Rosetta's close flyby of comet 67P/Churyumov-Gerasimenko

15:05-15:35 Coffee in break-out rooms

15:35-15:50 **Sebastián Rojas Mata, IRF-K:** Comparison of Venus Plasma Environment during Solar Minimum and Maximum

15:50-16:05 **Shahab Fatemi, UmU:** Dynamics of ions in the magnetosphere of Ganymede

16:05-16:20 **Elias Odelstad, IRF-U:** Plasma density and magnetic field fluctuations in the ion gyro-frequency range near the diamagnetic cavity of comet 67P

Niklas Edberg, IRF-U: The COMPLIMENT instrument on the Comet Interceptor mission

16:20-16:30 Mini-break

16:30-16:45 **Adriana Settino, IRF-U:** Identification of the evolutionary phase of Kelvin-Helmholtz vortices in the Earth's magnetosphere by MMS

16:45-17:00 **Hayley Williamson, IRF-K:** Rosetta ion moment direction and deflection

Contact information

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