2025 Workshop: RB-SoS (Magnetotail coupling)

Long title
Radiation belts as a system of systems: magnetotail coupling
GEM-only session
Conveners
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Description

Session on how the radiation belts are affected by magnetotail phenomena, such as the impact of substorms or particle injections from the magnetotail on radiation belt activity. This includes the impact on particle dynamics, plasma wave activity and system-wide variation in the radiation belt environment. The session format will be a series of oral presentations and group discussion.

Agenda

Speaker schedule is listed on the RB-SoS GEM wiki:
https://gem.epss.ucla.edu/mediawiki/index.php/FG:_Radiation_Belts_as_a_System_of_Systems

Justification

The objective of the RB-SoS focus group is to evaluate the coupling between the radiation belts and other plasma populations in near-Earth space. A dedicated session soliciting talks related to the coupling between the magnetotail and radiation belts is key to achieving this objective.

Related to CEDAR Science Thrusts:
Encourage and undertake a systems perspective of geospace
Workshop format
Short Presentations
Keywords

radiation belts, magnetotail

List GEM Focus Groups (if any) you wish to avoid being in concurrent sessions with (due to overlapping research interests)

KiTs

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