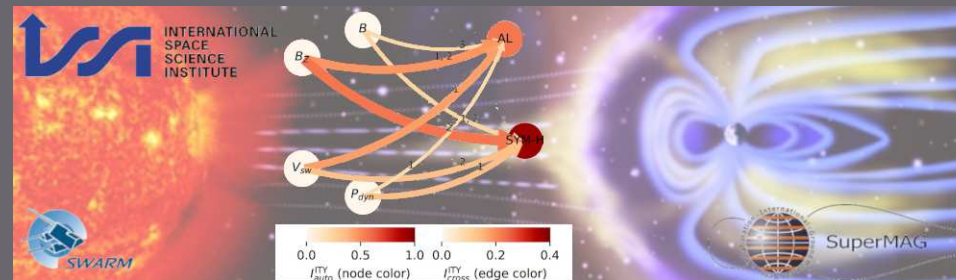


Complex Systems Perspectives Pertaining to the Research of the Near-Earth Electromagnetic Environment

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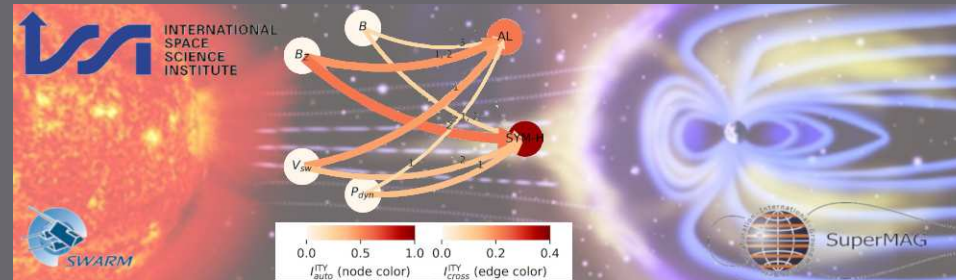
ISSI International Team Objectives



<https://www.issibern.ch/teams/nearearthelecenvi/>

- ▣ The Team attempts to combine advanced mathematical tools and identify key directions for future methodological progress relevant to space weather forecasting using Swarm, SuperMAG, and other space/ground datasets.
- ▣ By utilizing a variety of complementary modern complex systems based approaches, an entirely novel view on nonlinear magnetospheric variability is obtained.

ISSI International Team Objectives



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- Taken together, the multiplicity of recently developed approaches in the field of nonlinear time series analysis offers great potentials for uncovering relevant yet complex processes interlinking different geospace subsystems, variables and spatio-temporal scales.
- The Team will provide a first-time systematic assessment of these techniques and their applicability in the context of geomagnetic variability.

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