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ICTP-COST-USNSWP-CAWSES-INAF-INFN International Advanced School on Space Weather | (smr 1749)

Monday 08 May 2006

The Dynamic Magnetosphere: Reaction to and Consequences of Solar Wind Variations -
Main Building Main Lecture Hall (09:30-10:30)

The lecture discusses the response of the magnetosphere to various types of solar wind variations, including the arrival of plasma clouds and shocks at the magnetosphere and the impact of the dynamic pressure changes and interplanetary magnetic field rotations on the state of the magnetosphere. Resulting phenomena such as geospace magnetic storms and magnetospheric substorms and their relation to the energetics and dynamics of the magnetosphere are discussed.

time	title	presenter
09:30	The Dynamic Magnetosphere: Reaction to and Consequences of Solar Wind Variations	I. DAGLIS