

Space Physics Seminar

Thursday, October 15, 2015

The Solar Wind-Magnetosphere-Ionosphere Link Explorer (SMILE): A system view of the Earth's magnetosphere

3:30 pm

Refreshments
CAS Room 500

4:00 pm

Seminar
CAS Room 502

Next Week

Joint Seminar with IAR

- *V. Martinez Pillet & T. Rimmele*
National Solar Observatory
- Why Solar Physics needs a 4m-class solar-telescope? The Daniel K. Inouye Solar Telescope and its capabilities



<http://www.bu.edu/csp/edoutreach/seminar/>

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Abstract:

The SMILE mission seeks to study meso and macro-scale interactions of the solar wind-magnetosphere-ionosphere system. The international effort is a collaboration with the European Space Agency (ESA) and the Chinese Academy of Sciences (CAS). The mission employs global imaging from a spacecraft outside of the magnetosphere looking back at Earth. The current schedule for launch is 2021. A review of recent developments on the SMILE mission will be presented including soft X-ray imaging technology, modeling, and discussion of science targets.



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