

# Space Physics Seminar

## Thursday, November 19, 2015

### Updates on the MAVEN Mission

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#### Abstract:

NASA's Mars Atmosphere and Volatile Evolution Mission (MAVEN) mission was launched from Cape Canaveral on 18 November 2013 and arrived at Mars in Sept. 2014.

There is a strong BU involvement in the mission, whose primary objective is to study in detail the physical principles that determine the present rate of escape of the Martian atmosphere into space. The long term goal is to be able to extrapolate back in time to learn about the history of the Martian atmosphere, and thereby the Martian climate. This seminar will be a tag-team presentation about the roles of BU personnel in MAVEN, including the study of the escape of H and O atoms, the D/H ratio, and the Martian ionosphere.

A short history of events will also be presented.



**3:30 pm**

Refreshments  
CAS Room 500

**4:00 pm**

Seminar  
CAS Room 502

#### Next Week

• **Thanksgiving  
Recess**  
(No CSP Seminar)

