

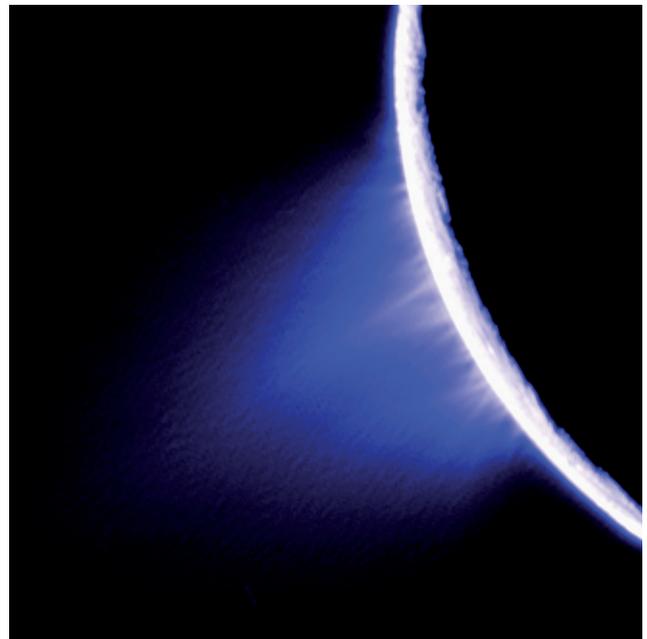
# Geowissenschaftliches Kolloquium

## *Ultraviolet Spectroscopy of Solar System Moons*

Donnerstag, 19. Juni 2014 - 16.15 Uhr

### Amanda R. Hendrix (Planetary Science Institute, USA)

In recent years, with Earth-orbiting telescopes such as the *International Ultraviolet Explorer* and the *Hubble Space Telescope*, significant advances have been made in the area of ultraviolet observations of solar system objects. More in-depth studies have been made using interplanetary probes such as *Galileo* and *Cassini*. While the UV spectral range has traditionally been used to study atmospheric and auroral processes, there is much to be learned by examining solid surfaces in the UV, including surface composition, weathering processes and effects, and the generation of thin atmospheres. Here we focus on moons in the solar system, including Earth's moon and the Galilean and Saturnian satellites.



**Dr. Hendrix's** research focus is UV spectroscopy of planetary surfaces: icy satellites, asteroids, Earth's moon and Jupiter's moon Io. She received a Ph.D. from the University of Colorado in 1996. She is a co-investigator on Cassini UVIS, a participating scientist on LRO LAMP and was a co-investigator on the Galileo UVS. Dr. Hendrix is currently a Senior Scientist with the Planetary Science Institute. She lives in Los Angeles.

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