



## **Energetic particles in the vicinity of Rhea compared to Enceladus and Dione: Cassini MIMI/LEMMS results**

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The environment of the biggest icy moon of the Saturnian system Rhea has been investigated by the Cassini spacecraft four times. After the first flyby Rh 1 it has been concluded that Rhea might have its own multiple ring system from absorption features in energetic electron fluxes. Flybys Rh 1.5 and Rh 2 could not fully confirm the existence of the ring features. In this paper we will compare the results from the recent flyby Rh 3 on Jan 11 (day of submission of this abstract) with the other flybys and also compare the Rhea results with those from encounters with Enceladus and Dione.