VOYAGE OF ROSETTA: LUTETIA TO 67P/CHURYUMOV-GERASIMENKO
9:00 a.m.   Snow Hall

Chairs: Maria Antonietta Barucci
         Jean-Baptiste Vincent

9:00 a.m. Barucci M. A. * Beliskaya I. Fulchignoni M. Fornasier S. Capaccioni F. Leyrat C. Sierks H. Dotto E.
(21) Lutetia’s Surface Composition: Lesson Learned from the Rosetta Flyby [#6050]
During the last several years, the asteroid (21) Lutetia was the object of lively discussions among asteroid experts. An overview of all the results from Rosetta and by ground will be presented.

9:20 a.m. Jorda L. Thomas N. Lamy P. *
The Geomorphology of Asteroid 21 Lutetia from In-Situ Imaging [#6406]
We present an overview of the surface geomorphology of asteroid 21 Lutetia observed using the high resolution images from OSIRIS, the imaging system onboard the European Space Agency’s Rosetta spacecraft.

9:30 a.m. Lamy P. * Jorda L. Vernazza P. Faury G.
Asteroid (21) Lutetia: Global and Spatially Resolved Photometric Properties [#6442]
We will present results on the global photometric properties of (21) Lutetia, as well as spatially resolved properties based on the Hapke formalism.

9:40 a.m. Gulkis S. Keihm S. Hofstadter M. * Lee S. Kamp L. Janssen M. MIRO Science Team
Millimeter and Submillimeter Observations of Asteroids from the Rosetta Spacecraft [#6417]
We discuss millimeter and submillimeter observations of asteroids Steins and Lutetia, concluding that large asteroids are likely covered by a very low thermal inertia regolith. This can explain otherwise anomalous emissivities previously reported.

Dust Jet Activity of Comet 67P/Churyumov-Gerasimenko from 2003 to 2015 [#6284]
We present a full reconstruction of dust jet activity of comet 67P in the last two apparitions, including a new determination of the spin axis orientation. We use the model to predict the activity in 2015, when Rosetta will meet the comet.

10:00 a.m. Maquet L. * Colas F. Jorda L. Crovisier J.
67P/Churyumov-Gerasimenko Mass Determination Based on a New Method for Modeling Non-Gravitational Forces and Accelerations [#6282]
We developed a method based on a new approach to model cometary non-gravitational forces and accelerations. We apply this model to 67P/Churyumov-Gerasimenko, target of the European Space Agency mission Rosetta.

10:10 a.m. Lee S. * von Allmen P. Gulkis S. Hofstadter M. Kamp L.
Modeling and Retrieval of Cometary Gas Spectral Lines for Rosetta-MIRO Observations of Comet 67P/Churyumov-Gerasimenko [#6361]
This paper reports the modeling and retrieval method developed for cometary gas spectral lines that will be measured by Rosetta-MIRO during its prime observations of Comet 67P/Churyumov-Gerasimenko.

10:20 a.m. Coffee Break