

Tuesday, July 25, 2017

**POSTER SESSION I: ONGOING AND FUTURE SAMPLE RETURN MISSIONS  
AND SAMPLE ANALYSIS INITIATIVES**

**5:30 p.m. Poster Area**

Le Corre L. Reddy V. Becker K. J. Sugita S. Tatsumi E. Li J.-Y. Gaskell R.

[\*Preparation for the Mapping of Asteroid Ryugu with Hayabusa2 ONC Cameras\*](#) [#6326]

We will present: 1) ground-based observations of the Hayabusa2 target using the IRTF, and 2) processing pipeline for creation of higher-level image products to help the Hayabusa2 science team with sample collection and rover deployment activities.

Sandford S. A. Chabot N. L. Dello Russo N. Leary J. C. Reynolds E. L. Weaver H. A. Wooden D. H.

[\*CORSAIR \(COMet Rendezvous, Sample Acquisition, Investigation, and Return\): A New Frontiers Mission Concept to Collect Samples from a Comet and Return Them to Earth for Study\*](#) [#6125]

CORSAIR (COMet Rendezvous, Sample Acquisition, Investigation, and Return) is a mission concept submitted in response to NASA's New Frontiers 4 call. CORSAIR's proposed mission is to return comet nucleus samples to Earth for detailed analysis.

Chennaoui Aoudjehane H. Baratoux D. Gibson R. Lamali A. Reimold W. U. Selrom Sapah M.

Chabou M. C. Bosco Habarulema J. Jessell M. W. Mogessie A. Benkhaldoun Z. Nkhonjera E.

Mukosi N. C. Kaire M. Rochette P. Sickafose A. Martinez-Frias J. Folco L. Pio Rossi A.

Faye G. Kolenberg K. Tekle K. Belhai D. Elyajouri M. Koberl C. Abde M. M.

[\*Africa Initiative for Planetary and Space Sciences\*](#) [#6396]

Here we present an initiative for promotion of meteoritics, planetary and space sciences in Africa.