

50th ESLAB Symposium
“From Giotto to Rosetta”
14 - 18 March 2016, Leiden, Netherlands
Preliminary Programme

Monday 14 March 2016

- 08:00** **Registration and Welcome Coffee**
- 09:45** **Introduction**
Arvind Parmar
ESA/ESTEC (The Netherlands)
- 10:00** **Opening Session**
- 10:00 "From 1P to 67P"
Roger-Maurice Bonnet
ISSI (CH)
- 10:40 "Cometary Science from the Halley Armada to Rosetta"
Michael F. A'Hearn
University of Maryland (United States)
- 11:20 "How and why to get a lander on a comet"
Jean-Pierre Bibring
IAS (France)
- 12:00** **Session 1: Cometary origins and evolution of the solar system**
- 12:00 "The chemistry trail from clouds to disks and comets"
Ewine van Dishoeck
Leiden Observatory (The Netherlands)
- 12:30 "Comets as Tracers for the Formation and Volatile Acquisition of the Planets and Satellites"
Kathleen Mandt
Southwest Research Institute (United States)
- 13:00** **Lunch Break**
- 14:00 "Origin(s) of inner planet atmospheres and terrestrial oceans in the light of the Rosetta results"
Bernard Marty
(France)
- 14:30 "The Comet-Kuiper Belt Connection"
Harold Weaver
JHU Applied Physics Laboratory (USA)
- 15:00 "Cometary origins after Rosetta and implications for solar system formation"
Björn Davidsson
Uppsala University (Sweden)
- 15:30 "Sulfur Isotopic Ratios in the Coma of 7P/Churyumov-Gerasimenko"
Ursina Calmonte
Physikalisches Institut, University of Bern (Switzerland)

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- 15:50 “The tale of a cometary dust particle of comet 67P/Churyumov-Gerasimenko”
Martin Hilchenbach
Max Planck Institute for Solar System Research (Germany)
- 16:10 Coffee Break**
- 16:40 Session 2: Coma composition and physical properties (dust, refractories, volatiles, plasma)**
- 16:40 “In situ mass spectrometry from Giotto to Rosetta”
Kathrin Altwegg
Physikalisches Institut (Switzerland)
- 17:10 “Mass-loading, pile-up, and mirror-mode waves at comet 67P/Churyumov-Gerasimenko”
Martin Volwerk
Austrian Academy of Sciences (Austria)
- 17:30 “The Global State of the Plasma Environment at 67P/CG at Perihelion - Comparing RPC Observations and Simulations”
Christoph Koenders
TU Braunschweig (Germany)
- 17:50 “Properties of the Diamagnetic Cavity at Comet 67P/Churyumov-Gerasimenko”
Charlotte Goetz
Technische Universität Braunschweig (Germany)
- 18:15 ICE BREAKER –celebrating the 50th ESLAB**
19:15 END DAY 1

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Tuesday 15 March 2016

- 08:00** **Registration and Welcome Coffee**
- 08:40** **Session 2: Coma composition and physical properties (dust, refractories, volatiles, plasma)**
- 08:40 “Coma composition in comets from remote sensing”
Bockelee-Morvan Dominique
LESIA, Observatoire de Paris (France)
- 09:10 “ROSINA/DFMS and IES observations at 67P/Churyumov-Gerasimenko: Ion composition in the heterogeneous coma”
Stephen A. Fuselier
Southwest Research Institute (USA)
- 09:30 “Molecular Oxygen in 1P/Halley and 67P/Churyumov-Gerasimenko”
Martin Rubin
Physikalisches Institut, University of Bern (Switzerland)
- 09:50 “Halogens at Comet 67P/Churyumov-Gerasimenko Observed by ROSINA-DFMS and COSIMA”
Frederik Dhooghe
Belgian Institute for Space Aeronomy (Belgium)
- 10:10 “The heliocentric variation of the outgassing rate and molecular abundances in the coma of 67P as seen by MIRO”
Nicolas Biver
LESIA (France)
- 10:30** **COFFEE BREAK**
- 11:00 “Coma Isotopic composition”
Jehin Emmanuel
Liege University (Belgium)
- 11:30 “The size distribution of dust emitted from 67P/Churyumov-Gerasimenko and comparison to other comets”
Jessica Agarwal
Max Planck Institute for Solar System Research (Germany)
- 12:00 “Study of 67P/CG coma dust/gas evolution as derived from VIRTIS observations”
Giovanna Rinaldi
IAPS-INAF (Italy)
- 12:20 “Distributed sources in comets: from Giotto to Rosetta”
Herve Cottin
LISA, UPEC (France)
- 12:40 “Sub-mm and FIR Interferometry of Small Solar System Bodies”
Martin Cordiner
NASA Goddard Space Flight Center (United States)
- 13:00** **LUNCH**

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- 14:00 “Diversity of Organic Matter in Comets: The Case of 81P/Wild 2”
Bradley De Gregorio
U.S. Naval Research Laboratory (United States)
- 14:30 “Organics from ROSINA measurements at 67P/Churyumov-Gerasimenko”
Léna Le Roy
Center for Space and Habitability (Switzerland)
- 15:00 "Spatial and Temporal Heterogeneities in the Gas Distribution of 103P/Hartley2 : How is it different from 67P/C-G?"
Sebastien Besse
ESAC (Spain)
- 15:20 “Typology of cometary particles collected by COSIMA before and after perihelion”
Yves Langevin
Institut d’Astrophysique Spatiale (France)
- 15:40 “TOF-SIMS analysis and characterization of the solid organic matter in the dust particles of 67P/Churyumov-Gerasimenko with the COSIMA instrument.”
Nicolas Fray
LISA, UMR CNRS 7583, UPEC, UPD (France)
- 16:00 Posters and refreshments**
- 18:00 END DAY 2**

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Wednesday 16 March 2016

- 08:00** **Registration and Welcome Coffee**
- 08:40** **Session 2: Coma composition and physical properties (dust, refractories, volatiles, plasma)**
- 08:40 “The morphological diversity of micron-sized cometary dust detected with MIDAS”
Thurid Mannel
Space Research Institute of the Austrian Academy of Sciences (AUSTRIA)
- 09:00 “Variations in cometary dust compositions from Giotto to Rosetta, clues to their formation mechanisms”
Cecile Engrand
CSNSM CNRS/IN2P3-Univ. Paris Sud, University Paris Saclay (France)
- 09:20 “Coma dust environment observed by GIADA during the Perihelion of 67P/Churyumov-Gerasimenko.”
Vincenzo Della Corte
IAPS-INAF (Italy)
- 09:40** **Session 3: Process of cometary activity and nucleus-inner coma interaction**
- 09:40 “How in-situ observations changed our understanding of cometary activity”
Jean-Baptiste Vincent
MPS (Germany)
- 10:10 “Comparison between the physical modelling techniques involved in the analysis of the P/Halley and 67P coma observations”
Crijo Jean-François
CNRS/LATMOS (France)
- 10:30** **COFFEE BREAK**
- 11:00 “How theory is being shaped by in-situ cometary observations”
Wing-Huen Ip
Institute of Astronomy, National Central University (Taiwan)
- 11:30 “Our closest encounter with a dynamically new Oort Cloud comet: the activity and evolution of comet Siding Spring.”
Dennis Bodewits
U. Maryland in College Park (USA)

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- 11:50 “The Nature and Frequency of the Gas Outbursts in comet 67P/Churyumov-Gerasimenko observed by the Alice Far-ultraviolet Spectrograph on Rosetta”
Paul D. Feldman
Johns Hopkins University (USA)
- 12:10 “Comet 67P Inner Coma Structure and Evolution with Rosetta/MIRO Observations and Models”
Seungwon Lee
Jet Propulsion Laboratory/California Institute of Technology (USA)
- 12:30 “Evolution of the Surface Activity Distribution and the Resulting Coma of Comet 67P/Churyumov-Gerasimenko Pre- and Post-Equinox observed by ROSINA and VIRTIS”
Nicolas Fougere
University of Michigan (USA)
- 12:50 "Two-Point observations of low-frequency waves by ROMAP and RPC-MAG during the FSS"
Philip Heinisch
TU Braunschweig (Germany)
- 13:10 LUNCH**
- 14:00 *Rosetta Science Working Team Meeting, ALL WELCOME !!!***
- 18:30 Bus Departure from hotel for Conference Dinner**

Thursday 17 March 2016

- 08:00 Registration and Welcome Coffee**
- 08:40 Session 3: Process of cometary activity and nucleus-inner coma interaction**
- 08:40 “Modeling Cometary Activity”
Tamas Gombosi
University of Michigan (USA)
- 09:10 “Advances in combining cometary plasma and dust science”
Xu Wang
University of Colorado at Boulder (USA)
- 09:40 “Dust and Spacecraft Charging Effects”
Mihaly Horanyi
University of Colorado (USA)
- 10:00 “Modeling 67P/CG’s Dust Environment”
Maximilian Sommer
University of Stuttgart, Institute of Space Systems (Germany)
- 10:20 Ground based support”
Colin Snodgrass
The Open University (UK)
- 10:40 COFFEE BREAK**
- 11:10 Session 4: Nucleus surface and interior**
- 11:10 “The Development of Cometary Landscapes”
Nicolas Thomas
University of Bern (Switzerland)
- 11:40 “Relevance of KOSI Experiments for Rosetta”
Eberhard Grün
IDS (Germany)
- 12:00 “Fractures on comets: New insights from Rosetta”
Mohamed Ramy El-Maarry
Physikalisches Institut (Switzerland)
- 12:20 “Composition and temporal variations of the 67P/Churyumov-Gerasimenko nucleus observed by the OSIRIS instrument onboard Rosetta”
Sonia Fornasier
LESIA-Obs. de Paris/Univ Paris Diderot (France)
- 12:40 “MIRO Observations of subsurface temperatures of the nucleus of 67P/Churyumov-Gerasimenko”
F. Peter Schloerb
University of Massachusetts (USA)
- 13:00 LUNCH**

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- 14:00 “Dirty Snowball – Icy Dirtball – Rosetta”
Horst Uwe Keller
Universität Braunschweig (Germany)
- 14:30 Modeling of the evolution of cometary surface and subsurface”
Aurélie Guilbert-Lepoutre
CNRS - UTINAM (France)
- 15:00 "Evolution of the UV Surface Properties of Comet 67P/C-G as Observed with Rosetta Alice"
Lori M. Feaga
University of Maryland (USA)
- 15:20 “The presence of clathrates and their implications on the composition of comet 67P”
Arienn Luspay-Kuti
Southwest Research Institute (United States)
- 15:40 “Understanding the surface of comet 67P as seen in post-landing ROLIS images”
Stefan Schroeder
DLR (Germany)
- 16:00 COFFEE**
- 16:30 “Advances in laboratory studies of cometary ice analogues”
Diana Laufer
Tel Aviv University (Israel)
- 17:00 “In-situ Properties of Comet 67P/Churyumov-Gerasimenko measured with SESAME”
Klaus Seidensticker
DLR (Germany)
- 17:20 “The interpretation of decaying mass spectra from COSAC and Ptolemy on the surface of 67/P Churyumov Gerasimenko”
Fred Goesmann
Max Planck Institute for Solar System Research (Germany)
- 17:40 “New perspectives on the surface chemistry of 67P from Ptolemy data”
Ian Wright
Open University (UK)
- 18:00 END DAY 4**

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Friday 18 March 2016

- 08:00 Registration**
- 08:40 Session 4: Nucleus surface and interior**
- 08:40 “Refractory and semi-volatile organics at the surface of 67P/Churyumov-Gerasimenko”
Eric Quirico
IPAG (France)
- 09:00 “Infrared detection of exposed water ice on 67P/CG surface”
Gianrico Filacchione
INAF-IAPS (Italy)
- 09:20 "Results from radio tracking the Rosetta spacecraft: gravity, internal structure, nucleus composition, outgassing activity and nucleus mass loss during perihelion"
Matthias Hahn
Rheinisches Institut für Umweltforschung an der Universität zu Köln (Germany)
- 09:40 “Looking at Comet 67P sub-surface in the vicinity of Abydos”
Valerie Ciarletti
UVSQ (UPSay) ; UPMC (Sorbonne Univ.) ; CNRS/INSU; LATMOS-IPSL (France)
- 10:00 Session 5: New and un-resolved questions in cometary science and how to resolve them.**
- 10:00 “Mystery of cometary circular polarization: new clues from studying plasma environment in comet 67P/Churyumov-Gerasimenko”
Ludmilla Kolokolova
University of Maryland (USA)
- 10:20 COFFEE BREAK**
- 10:50 How Stardust may inform Rosetta, and vice versa"
Andrew Westphal
UC Berkeley (USA)
- 11:20 "COMETS, WHAT NEXT?"
Marcello Fulchignoni
Lesia, Observatoire de Paris (France)
- 11:40 “Unexpected and significant findings in 67P: the IDS view”
Marco Fulle
INAF Trieste (Italy)
- 12:10 END OF MEETING**

Poster Sessions

- P01** "Exploring 67P through art"
Ekaterina Smirnova
ekaterina-smirnova.com (USA)
- P02** "The Las Cumbres Observatory Global Telescope Network for Cometary Science"
Tim Lister
Las Cumbres Observatory (USA)
- P03** "Laboratory investigations on cometary analogues in support of the interpretation of multi-instrumental Rosetta data."
Antoine Pommerol
University of Bern (Switzerland)
- P04** "The interaction between surface morphology and inner neutral gas coma of Comet 67P/ Churyumov-Gerasimenko"
Ying Liao
University of Bern (Switzerland)
- P05** "Long-term characterization of the coma of comet 67P/Churyumov-Gerasimenko from the ground"
Matthew Knight
University of Maryland (USA)
- P06** "Evolution of the plasma environment of comet 67P from spacecraft potential measurements by the Rosetta Langmuir probe instrument"
Elias Odelstad
Swedish Institute of Space Physics (Sweden)
- P07** "Observations of stormy solar wind interacting with comet 67P/C-G"
Niklas J.T. Edberg
Swedish Institute of Space Physics, Uppsala (Sweden)
- P08** "Ground-based Observing Campaigns of Comets From 1P/Halley to 67P/Churyumov-Gerasimenko"
Padma A. Yanamandra-Fisher
Space Science Institute (United States)
- P09** "Post-perihelion spectroscopic observations of comet 67P/Churyumov-Gerasimenko with the Liverpool Telescope"
Miguel de Val-Borro
Princeton University (USA)

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- P10** "The Distribution of Geometric Albedos of Jupiter-Family Comets From SEPPCoN and Visible-Wavelength Photometry"
Y. R. Fernandez
Univ. of Central Florida (U.S.A.)
- P11** "The Oxygen Isotopic Ratio in Cometary Dust with Rostetta/COSIMA"
John Paquette
Max Planck Institute for Solar System Research (Germany)
- P12** "The new Planetary Science Archive: a tool for exploration and discovery of scientific dataset of ESA planetary missions"
Sebastien Besse
ESA (Spain)
- P13** "Observations and Analysis of A Curved Jet in the Coma of Comet 67P/Churyumov-Gerasimenko"
Zhong-Yi Lin
Institute of Astronomy, NCU (Taiwan)
- P14** "Thermophysical history of the nucleus of the comet 67P/CG"
Michelangelo Formisano
INAF-IAPS (Italy)
- P15** "Adding value to 67P/Churyumov-Gerasimenko data archives with Virtual Observatory protocols"
Stéphane Erard
LESIA / Observatoire de Paris (France)
- P16** "Survey for Ortho-to-Para Abundance Ratios (OPRs) of Ammonia in 20 Comets"
Hideyo Kawakita
Koyama Astronomical Observatory of Kyoto Sangyo University (Japan)
- P17** "Survey for nitrogen isotopic ratio of NH₂ in comets: Implication for 15N-fractionation in cometary ammonia"
Yoshiharu Shinnaka
National Astronomical Observatory of Japan (JAPAN)
- P18** "No bit left behind: PDS cometary archive from Giotto to Rosetta"
Ludmilla Kolokolova
University of Maryland (USA)
- P19** "Herschel observations of the Rosetta target 67P/Churyumov-Gerasimenko"
Laurence O'Rourke
ESA/ESAC (Spain)

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- P20** "Evolution of the dust particles size distribution and flux from comet 67P around perihelion measured by the COSIMA instrument on-board Rosetta"
Sihane Merouane
Max-Planck Institute for Solar System Research (Germany)
- P21** "Extended comparative photometric study of comet 67P/Churyumov-Gerasimenko as seen by VIRTIS-H and VIRTIS-M onboard Rosetta"
Batiste Rousseau
LESIA - Observatoire de Paris (France)
- P22** "Activity-Driven Changes in Cometary Rotation"
Rosita Kokotanekova
MPI for Solar System Research (Germany)
- P23** "Forbush effects detected at comet 67P/Churyumov-Gerasimenko with the Rosetta Radiation Environment Monitor (SREM)"
Olivier Witasse
European Space Agency (The Netherlands)
- P24** "Is the sublimation of icy grains detectable with the OSIRIS cameras onboard Rosetta?"
Adeline Gicquel
MPS (Germany)
- P25** "Short time-scale variations in the ion environment around 67P"
Hans Nilsson
Swedish Institute of Space Physics (Sweden)
- P26** "Detection of NH₄⁺ of cometary origin at comet 67P near perihelion"
Arnaud Beth
Imperial College London (United Kingdom)
- P27** "Photochemistry of forbidden oxygen lines in the coma of 67P/Churyumov-Gerasimenko"
Gaël Cessateur
BIRA-IASB (Belgium)
- P28** "Neutral-neutral reactions in cometary comae"
Steven Charnley
NASA Goddard Space Flight Center (USA)
- P29** "Spectroscopic and photometric monitoring of comet C/2013 US10 (Catalina)"
Opitom Cyrielle
University of Liège (Belgium)
- P30** "Alkali Metals in Cometary Particles – what is the Chemical Context?"
Oliver J. Stenzel
Max-Planck-Institut für Sonnensystemforschung (Germany)
- P31** "RPC observation of the development and evolution of plasma interaction boundaries at 67P/Churyumov-Gerasimenko"
Kathleen Mandt
Southwest Research Institute (United States)

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- P32** "Origin(s) of the microscopic structures at the Philae landing site and possible implications on the formation and evolution of the nucleus"
Francois Poulet
Institut d'Astrophysique Spatiale (France)
- P33** "Two-point observations of low-frequency waves at 67P/Churyumov-Gerasimenko during descent of PHILAE: Comparison of RPCMAG and ROMAP"
Ingo Richter
TU-Braunschweig (Germany)
- P34** "Dust tail analysis from a new application of the Finson-Probstein technique"
O. D. Price
Mullard Space Science Laboratory, University College London (United Kingdom)
- P35** "The fate of molecular oxygen: from the protosolar nebula to comets"
Olivier Mousis
Laboratoire d'Astrophysique de Marseille, Aix-Marseille Université (France)
- P36** "Photometry of dust grains of comet 67P, using OSIRIS images"
Gabriele Cremonese
INAF-Astronomical Observatory of Padova (Italy)
- P37** "Assessing the primordial character of comet 67P/Churyumov-Gerasimenko"
Hermann Boehnhardt
MPI for Solar System research (Germany)
- P38** "Spacecraft Dynamics during the Halley Encounter: The Giotto Radio-Science Experiment (GRE)"
Michael Bird
Uni-Bonn (Germany)
- P39** "Nitrogen isotopic ratios of NH₂ in comets: Implication for ¹⁵N-fractionation in ammonia"
Yoshiharu Shinnaka
National Astronomical Observatory of Japan (Japan)
- P40** "Thermo-physical properties and heat transport mechanisms of comet 67P/CG from VIRTIS data"
Cedric Leyrat
LESIA-Observatoire de Paris (FRANCE)
- P41** "First landing(s) on a comet - Lessons learned"
Jens Biele
DLR (Germany)

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- P42** "A comparative analysis of opposition effect on comet 67P/Churyumov-Gerasimenko using Rosetta-OSIRIS images"
Nafiseh Masoumzadeh
Max-Planck-Institut für Sonnensystemforschung (Germany)
- P43** "67P/CG nucleus layered structure: Formation Vs Evolutionary processes. Clues from VIRTIS data."
Fabrizio Capaccioni
IAPS - INAF (Italy)
- P44** "The interior of 67P/Churyumov-Gerasimenko from observation and modeling"
Maria Teresa Capria
INAF/IAPS (Italy)
- P45** "Induction signatures at 67P/CG"
D. Constantinescu
Institute for Space Sciences (Romania)
- P46** "What CONSERT measurements tell us about the interior of the 67/C-G comet ?"
Wlodek Kofman
Univ. Grenoble Alpes, IPAG, F-38000 Grenoble, France; CNRS, IPAG, F-38000 Grenoble, France (France)
- P47** "Mineralogical implications of CONSERT permittivity characterization of 67P."
Herique Alain
IPAG - UGA/CNRS (France)
- P48** "Photometric behavior of 67P spectral parameters"
Andrea Longobardo
IAPS-INAF (Italy)
- P49** "Surface thermal emission model assuming a sub-pixel distribution of temperatures: application to VIRTIS-M observations of 67P/Churyumov-Gerasimenko"
Andrea Raponi
IAPS - INAF (Italy)
- P50** "Comparative study of icy patches on comet nuclei using multispectral imaging data"
Nilda Oklay
Max Planck Institute for Solar System Research (Germany)
- P51** "Cosmic ray interaction with cometary nuclei"
Romain Maggiolo
BISA (Belgium)
- P52** "Comet 67P/CG – gravity, material strength and surface forming processes"
Stubbe F. Hviid
DLR (Germany)

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- P53** "Seasonal variation of water ice abundance on 67P/CG surface"
Mauro Ciarniello
IAPS-INAF (Italy)
- P54** "ESA's Cometary Spacecrafts Giotto and Rosetta with 30 Years in between - Radio and Microwave Remote Sensing Technology and Efficient Inversion of Data"
Peter Edenhofer
Ruhr-University of Bochum (Germany)
- P55** "Philae attitude and trajectory reconstruction"
Philip Heinisch
TU-Braunschweig (Germany)
- P56** "Dust Impact Monitor (SESAME-DIM) Measurements at Comet 67P/Churyumov-Gerasimenko"
Harald Krüger
Max-Planck-Institut für Sonnensystemforschung (Germany)
- P57** "Sub-surface porosity and water ice content along an 800-meter track of the MIRO footprint in the Imhotep region of 67P/Churyumov-Gerasimenko"
Paul von Allmen
Jet Propulsion Laboratory (USA)
- P58** "Pre- and Post-equinox ROSINA COPS production rates compared with pre-equinox MIRO, VIRTIS and ground based measurements"
Kenneth Hansen
University of Michigan (USA)
- P59** "Cometary plasma science from Giotto to Rosetta"
Andrew Coates
UCL-MSSL (UK)
- P60** "Millimeter and Submillimeter Observations of Comet 67P's Nucleus, Gas, and Dust with the Rosetta/MIRO Instrument"
Mark Hofstadter
JPL/Caltech (USA)
- P61** "Thermophysical Modeling of the Nucleus of Comet 29P/Schwassmann-Wachmann 1 Using Spin-State Constraints Derived from Outburst Observations"
Charles Chambeau
University of Central Florida (U.S.A)
- P62** "What can we learn about the ice composition on 67P from in-situ measurements with ROSINA-DFMS"
Andre Bieler
University of Michigan (United States)

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- P63** "The Making Of "Closest Encounter", a movie made from images acquired by the Halley Multicolor Camera aboard the Giotto probe"
Björn Grieger
Aurora Technology B.V. for ESA - European Space Agency (Spain)
- P64** "Activity and composition of comet 67P/Churyumov-Gerasimenko from high resolution infrared spectroscopy with the VIRTIS-H instrument onboard Rosetta"
Dominique Bockelee-Morvan
LESIA, Observatoire de Paris (France)
- P65** "A long term study of Centaur 174P/Echeclus"
Philippe Rousselot
Institut UTINAM / OSU THETA (France)
- P66** "Dust Release from Cometary Surfaces"
Eberhard Grün
IDS (Germany)
- P67** "Cometary activity investigated by laboratory experiments"
Bastian Gundlach
Technische Universität Braunschweig (Germany)
- P68** "Investigation into the disparate origin of CO₂ and H₂O outgassing for comet 67P"
Uwe Fink
University of Arizona (USA)
- P69** "A hot and active place: The ionosphere of comet 67P"
Anders Eriksson
Swedish Institute of Space Physics (Sweden)
- P70** "Broadband monitoring of coma radicals at high spectral resolving power with a multi-order spatial heterodyne spectrometer."
Walter Harris
University of Arizona (USA)
- P71** "An Overview of Cometary Science with WISE/NEOWISE"
Emily Kramer
Jet Propulsion Laboratory (USA)
- P72** "The Complex Rotation State of Comet 103P/Hartley 2"
Tony Farnham
University of Maryland (USA)
- P73** "Cometary dust at the nm scale from the MIDAS atomic force microscope"
Mark Bentley
Space Research Institute, Austrian Academy of Sciences (Austria)

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- P74** "Grain structure of cometary dust at the nanometre scale: new insights from MIDAS"
Roland Schmied
Space Research Institute (Austria)
- P75** "Aspherical dust dynamics and coma dust analysis of 67P/Churyumov- Gerasimenko based on the in situ observations of the GIADA instrument."
Stavro L. Ivanovski
IAPS - INAF (Italy)
- P76** "Is the dust in the jets different from that in the diffuse coma"
Gian Paolo Tozzi
INAF - Osservatorio Astrofisico di Arcetri (Italy)
- P77** "First spectrally complete survey of cometary water emission at near IR wavelengths (0.9-2.5 μm): C/2014 Q2 Lovejoy with TNG/GIANO spectrograph."
Sara Faggi
Osservatorio Astrofisico di Arcetri (Italy)
- P78** "Four-fluid MHD Simulations of the Plasma and Neutral Gas Environment of Comet 67P/CG Near Perihelion"
Tamas I. Gombosi
University of Michigan (USA)
- P79** "Far-ultraviolet Spectroscopy of Recent Comets with the Cosmic Origins Spectrograph on the Hubble Space Telescope"
Paul D. Feldman
Johns Hopkins University (USA)
- P80** "Evolution of the major cometary volatiles around comet 67P/Churyumov-Gerasimenko as seen by ROSINA-RTOF from 3.1 to 1.6 AU."
Sébastien Gasc
University of Bern, Physikalisches Institut (Switzerland)
- P81** "In Situ Space Gas Dynamic Measurements by the ROSINA Comet Pressure Sensor COPS Onboard Rosetta Spacecraft"
Chia-Yu Tzou
Physikalisches Institut, University of Bern (Switzerland)
- P82** "Comet Encounters of the Serendipitous Kind: The Ulysses Comet Tail Crossings"
Geraint Jones
UCL Mullard Space Science Laboratory (UK)
- P83** "The Plasma Interaction of Comet 67P/Churyumov-Gerasimenko With The Solar Wind"
Karl-Heinz Glassmeier
TU Braunschweig (Germany)
- P84** "Characterizing Cometary Electrons with Kappa Distributions"
Thomas Broiles
Southwest Research Institute (United States of America)
- P85** "Ionisation source of the plasma environment around comet 67P"
Marina GALAND
Imperial College London (UK)

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- P86** "Properties of dust particles in comets from polarimetric observations of 67P"
Edith Hadamcik
Univ. P. & M. Curie, LATMOS (France)
- P87** "67P/Churyumov-Gerasimenko Coma dust environment at 2 AU measured by GIADA"
Vincenzo Della Corte
IAPS-INAF (Italy)
- P88** "Volatile species in the inner coma of 67P/Churyumov-Gerasimenko observed with VIRTIS on board Rosetta"
Alessandra Migliorini
IAPS-INAF (Italy)
- P89** "The abundance of complex organic molecules in comets from molecular surveys at submm/mm wavelengths."
Nicolas Biver
LESIA, Observatoire de Paris (France)
- P90** "Evolution and structure of a comet magnetosphere - Rosetta observations"
Hans Nilsson
Swedish Institute of Space Physics (Kiruna)
- P91** "A comparison between VEGA 1, 2 and Giotto flybys of comet 1P/Halley"
Martin Volwerk
Austrian Academy of Sciences (Austria)
- P92** "High spectral resolution of Doppler shifted emission from comet 9P/Tempel 1 following the Deep Impact encounter: Evidence for large scale internal energy release producing a high velocity jet from the impact site."
Jason Corliss
University of Arizona (USA)
- P93** "Thirty Years of Detecting Primary Volatiles in Comets"
Michael J Mumma
NASA Goddard Space Flight Center (USA)
- P94** "The Distribution of Extended Source Species in Comets: the Case of H₂CO"
Stefanie Milam
NASA Goddard Space Flight Center (USA)
- P95** "General comet traits and comparison of their dynamical history – towards understanding long-term evolutionary processes on comets?"
Mathieu Choukroun
Jet Propulsion Laboratory (USA)
- P96** "MBC"
Colin Snodgrass
The Open University (UK)