11:45

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Tuesday 2 12:00	9 Ocotober 2019	Registration and Coffee
13:00	Becker, Pack, Zipfel	Welcome
13:15 - 16:0	00	Oral session
13:15	Palme	A tribute to Ahmed El Goresy
13:30	Deligny	Origin and timing of nitrogen delivery to the angrite parent body
13:45	Steinegger, Busemann, Riebe, Maden, Irving	Noble Gases in five NWA angrites – First detection of a solar signature in a bulk sample.
14:00	Vollmer, Leitner, Kepaptsoglou, Ramasse, King, Schofield	Functional chemistry and isotopic composition of organics within the pristine chondrite Maribo
14:15	Piralla, Marrocchi, Villeneuve, Piani	Solar system primordial water and dust: insights from in-situ oxygen analyses of CI chondrites
14:30	Patzek, Kadlag, Bischoff, Visser, Becker, John	Assessing different types of C1 material by H, O, and Cr isotope systematics
14:45	Visser, John, Whitehouse, Patzek, Bischoff	Hydrothermal alteration in the outer solar system – constraints from Mn/Cr ages.
15:00	Leitner, Vollmer, Ott, Hoppe	The occurrence of silicon nitride in chondritic meteorites
15:15	Jacquet	Beryllium-10 and CAI origin
15:30	Pape, Rosén, Mezger, Guillong	Chondrule formation and subsequent reprocessing by partial remelting in the protoplanetary disk.
15:45	Marrocchi, Villeneuve, Jacquet	Origin and formation conditions of chondrules
16:00 - 17:0 17:30	00	Poster session Ice breaker (Rieskratermuseum)
Wednesda	ay 30 Ocotober 2019	
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<b>9:30 - 12:0</b> 0 9:30	Wölfer, Budde, Kleine	Oral session W and Mo isotopic constraints on the age and origin of CH/CB chondrites
9:45	Kodolányi, Hoppe, Vollmer, Berndt	Iron-60 in primitive meteorites: New in situ data
10:00	Schneider, Burkhardt, Marrocchi, Brennecka, Kleine	Complex mixing of nebular materials inferred from combined O-Ti-Cr isotope variations in individual chondrules
10:15	Li, Stieghorst, Révay, Liersev, Feige, Gärtner	Bulk anaylsis of meteorites and micro-meteorite candidates using INAA at the research reactor FRM II
10:30	Kerraouch, Bischoff, Zolensky, Ebert, Patzek, Pack, Schmitt-Kopplin	A xenolith in the Murchison CM chondrite formed by fluid-assisted percolation during metasomatism (CM6?)
10:45	Spitzer, Burkhardt, Budde, Kruijer, Kleine	Genetic heritage and chronology of ungrouped iron meteorites
11:00	Ott, Vogt, Merchel, Hopp, Koll, Lachner, Trieloff, Wallner	Noble gases and radionuclides in Washington County iron meteorite
11:15	Kurtz	Searching and finding meteorites in Germany or similar European environmental conditions.  Hobby research and cooperation with scientists. An example case: Renchen meteorite find in
11:30	Bechtold, Brandstätter, Koeberl	February 2019.  Northwest Africa 11962: A new lunar meteorite from the Procellarum KREEP Terrane.
11:45	Walte, Solferino, Golabek	Two-stage formation of angular pallasites revealed by novel deformation experiments
13:30 - 15:00		Oral session
13:30	Braukmüller, Wombacher, Münker	Volatile element depletion in planetary materials
13:45	Hackler, Loroch, Rohrbach, Klemme, Berndt	Chalcophile Element Accretion from the Late Veneer
14:00	Schmidt, Noack	The influence of K, Th, and U partition coefficients on the thermal evolution of a planet
14:15	Noack, Balduin	Heterogeneities in Earth's mantle over time due to melt depletion and mineral phase transitions
14:30	Ortenzi, Noack, Sohl	Influence of mantle redox state on the atmospheric composition of rocky planets
14:45	Hellmann, Hopp, Burkhardt, Kleine	Tellurium stable isotopic evidence for heterogeneous late accretion
15:00 - 15:30		Coffee break
15:30 - 17:0	00	Oral session
15:30		Characterizing impact generated platinum-group element alloys from Archean spherule layers.
15:45	Schmidt	Ru/Rh and Ir/Rh as diagnostic mass ratios for the identification of specific impactor compositions of terrestrial impact craters
16:00	Tusch, Münker, Jansen, Hasenstab, Marien, Kurzweil, VanKranendonk	Secular evolution of W isotope anomalies in the Pilbara Craton, NW Australia and late accretion models
16:15	Schwinger, Breuer	The FeO content of the lunar mantle – insights from geophysical and petrological constraints.
16:30	Güldemeister, Manske, Wünnemann	Thermal state of the Earth after the Moon-forming impact event using numerical simulations
16:45	Poitrasson, Zambardi, Magna, Neal.	A reassessment of the iron isotope composition of the Moon and its implications for accretion and differentiation of terrestrial planets
17:00 - 18:30		Poster session
Thursday	31 Ocotober 2019	
9:30 - 11:4		Oral session
9:30	Gärtner	The First Microsecond of a Hypervelocity Impact
9:45	Manske, Güldemeister, Wünnemann	Impact-Induced Melting by Giant Impact Events
10:00	Wimmer, Schweigert, Jung, Simon	New Shatter Cones from the Ries Crater
10:15	Lompa, Wünnemann	Lunar basin formation - a numerical modeling study constrained by gravity data
10:30	Worsham, Kleine	Characterizing impactors on the Moon using Ru isotopes
10:45	Wahl, Wieczorek, Oberst	Porosity signatures of large lunar impact basins
11:00	Liu, Michael, Wünnemann, Becker, Oberst	Lunar megaregolith mixing by impacts: spatial dispersal of basin melt and its implications for sample interpretation
11:15	Gleißner, Becker	Siderophile elements in lunar granulitic impactites – Constraints on pre 4 Ga late accretion.
11:30	Haber, Scherer	Further evidence for a ~4.2 Ga age component in Apollo 16 impact melt rocks?
11.45		Farewell

Farewell

## Paneth Kolloquium 2019

Poster session

German The activation of the Cosgrove hotspot in Tasmania – a key event solving the Tunguska

problem

Are there still errors in the interpretation of data for earth craters German

Iqbal, Hiesinger, vanderBogert Geology and crater-size frequency distributions of the Apollo 11, 12, and 17 landing sites

Riedel, Minton, Michael, Orgel, vanderBogert,

Hiesinger

The contribution of new impacts to the degradation of the pre-existing lunar landscape is sizedependent

Maas, Hansen On the fate of impact-delivered metal in a rotating terrestrial magma ocean

Wiesehfer, Hansen A Smoothed Particle Hydrodynamics Method for Modelling the Dynamics of Magma Ocean

Magna, Žák, Pack, Moynier, Mougel, Peters,

Skála, Jonášová, Mizera, Řanda Magna, Wang, Jiang, Žák, Skála Disentangling impactor type and post-collision processes for Zhamanshin structure

Potassium systematics in tektites

Schulz, Vollmer, Keller Chemical and petrographical charakterization of amorphous silicate material in GEMS

Vanderliek, Becker, Rocholl, Whitehouse Two-Stage Evolution of Lunar Granulite 79215 as Revealed by Zircon and Phosphate Dating

Gail, Trieloff Metallographic cooling rates of ordinary chondrites and the onion-shell model

Anand, Pape, Wille, Mezger, Hofmann 53Cr/52Cr chromium model ages of ordinary chondrites: implications for parent body formation

and thermal evolution

Orgel, Fassett, Michael, Riedel, van der

Bogert, Hiesinger

Loroch, Hackler, Rohrbach, Klemme

Re-examination of the population, stratigraphy, and sequence of mercurian basins: Implications

for Mercury's early impact history and comparison with the Moon SVEs during Earth's core formation - Modeling of partitioning behavior

Alfing, Patzek, Bischoff Modal abundances of coarse-grained components within CI-chondrites and their

individual clasts.

Schmid Chondritic d34S in rocks from the Earth's mantle

Fischer, Peters, Hartogh, Pack Triple oxygen isotope comparison between terrestrial and lunar rocks - implications for the lunar

First results on the new angrite NWA 12774

Wimmer, Hoffmann, Kaliwoda, Hochleitner,

Mikouchi

More on the Saricicek meteorite (howardite): shock stage and magnetic signature

Hoffmann, Wimmer, Kaliwoda, Hochleitner, Uysal

Skála, Křížová, Matoušková Compositions of splashform- and Muong Nong-type Australasian tektites from a single locality in the southern Laos compared

Harries, Bischoff A >500 km-sized Differentiated Planetesimal of Enstatite-chondritic Parentage

Krietsch, Busemann, Riebe, King, Maden Closed system step etching (CSSE) of MIL 090657 reveals significant primordial, possibly new,

noble gas components in soluble phases

Peters The nebular snow line recorded by photochemical sulfur in iron meteorites

Print only

Cr isotope systematics and the Bosumtwi crater German The Martian blueberries and Farth tektites German

The genesis of tektites German