

Program, Paneth Kolloquium 2015

Wednesday 11.11.2015

13:00	welcome note	Mayor of Nördlingen	
13:15	invited lecture	Jones*, R.H., Brearley, A.J.	Halogen elements in chondritic meteorites: Tracking the abundance and behaviour of volatile species in the early Solar System.
14:00	talk 1	Metzler*, K., Pack, A.	Chemistry and oxygen isotopic composition of cluster chondrite clasts and their components
14:15	talk 2	Bodénan*, J.-D., Starkey, N.A., Russell, S.S., Wright, I.P., Franchi, I.A.	Evolution and stability of O isotope reservoirs in the Early Solar System
14:30	talk 3	Wombacher*, F.C., Günther, D., Becker, H., Bischoff, A., et al.	Abundance and distribution of S, Se and Te in chondrites and their components
14:45	talk 4	Vollstaed*, H., Mezger, K., Leya, I.	Tracing the origin and evolution of volatile elements in the inner solar system by selenium isotopes
15:00	coffee		
15:30	talk 5	Elfers*, B.-M., Münker, C., Peters, S.T.M., Sprung, P., et al.	The Hf and W Isotope inventory of sequentially leached chondrites
15:45	talk 6	Hellmann*, J.L., Kruijjer, T.S., Metzler, K., Kleine, T.	Hf-W evidence for the age and origin of large igneous inclusions in chondrites
16:00	talk 7	Schwinger*, S., Dohmen, R., Schertl, H.-P.,	Thermal history of CO chondrites determined from zoning of chondrule and matrix minerals
16:15	talk 8	Weyrauch*, M., Zipfel, J., Weyer, S.	Ni isotope composition of zoned metal grains in CBb chondrite Hammadah al Hamra 237
16:30	talk 9	Ward*, D., Bischoff, A., Roszjar, J., Whitehouse, M.J.	REE signatures in meteoritic Ca-phosphates
16:45	talk 10	Klahr*, H., Schreiber, A.	All Planetesimals are born equal - Why the size distribution of Asteroids and Kuiper Belt objects is so similar
17:00	talk 11	Hochleitner*, R., Hoffmann, V.H., Kaliwoda, M.	Mineralogy of the Machtenstein H 5 ordinary chondrite
17:15	ice breaker	Rieskratermuseum (Eugene-Shoemaker-Platz 1)	

Thursday, 12.11.2015

09:00	talk 12	Kodolányi*, J., Vollmer, C., Hoppe, P.	Isotopic compositions and structural features of presolar SiC grains from supernovae
09:15	talk 13	Trieloff*, M., Altobelli, N., Postberg, F., Fiege, K., Kimura, H., Sterken, V.J., et al.	Interstellar silicate particles measured by Cassini's Cosmic Dust Analyser at Saturn
09:30	talk 14	Leitner*, J., Hoppe, P., Metzler, K., Haenecour, P., et al.	The Presolar Grain Inventory of CM Chondrites.
09:45	talk 15	Villeneuve*, J., Libourel, G., Soulié, C.	Relationships between type I and type II chondrules: implications on chondrule formation processes
10:00	talk 16	Marrocci*, Y., Chaussidon, M.	A systematic for oxygen isotopic composition in meteoritic chondrules
10:15	talk 17	Florenti*n, L., Faure, F., Tissandier, L., Deloule, E.	Heated glassy inclusions from olivines in chondrules : insight about chondrules origins
10:30	coffee break		
11:00	talk 18	Ebert*, S., Bischoff, A.	Origin of Na-rich chondrules in chondrites: A link to (ultra)-refractory condensates
11:15	talk 19	Friend*, P., Hezel, D.C., Barrat, J.A., Zipfel, J., et al.	Constraints on chondrule formation from the newly found CM chondrite

Thursday, 12.11.2015 (*cont.*)

11:30 talk 20	Budde*, G., Kleine, T., Kruijer, T.S., Burkhardt, C., et al.	Isotopic complementarity of chondrules and matrix and the origin of chondrules
11:45 talk 21	Jacquet*, E., Gounelle, M., Alard, O.	Enstatite chondrites: the message from olivine-bearing chondrules
12:00 talk 22	Hopp*, J., Trieloff, M., Schmitt, A.K., Ludwig, T.	Mn-Cr systematics of sulfides in enstatite chondrites
12:15 talk 23	Gaidos*, E, Yin, Q	Chips off the Old Block: Enstatite Chondrites as Samples of Proto-Earth
12:30 lunch break		
14:00 talk 24	El Goresy*, A., Lin, Y., Miyahara, M., Gannoun, A., et al.	Petrological and cosmochemical evidence for variable C/O ratios during formation of EL3 chondrites of Almahata Sitta TC3 asteroid
14:15 talk 25	Kruijer*, T.S., Brennecka, G.A., Kleine, T.	Origin of nucleosynthetic isotope anomalies in Ca-Al-rich inclusions
14:30 talk 26	Shollenberger*, Q.R., Brennecka, G.A., Borg, L.E.	Isotopic signatures of CAIs from CV3 and CK meteorites: source implications
14:45 talk 27	Pfeifer*, M., Münker, C., Elfers, B.-M., Peters, S.T.M., et al.	Tantalum isotope anomalies in CV3 refractory inclusions
15:00 talk 28	Barth*, M.I.F., Harries, D., Hoppe, P., Langenhorst, F.	Sulfide-magnetite aggregates in Acfer 094 – Clues to nebular metal-gas interactions.
15:15 talk 29	Holinger, S.H., Busemann, H.B., Riebe, M.R., Clay, P.L.C., et al.	Noble gas measurements and age determination of a neutron-irradiated acid-resistant residue of Allende – Carriers and excess ^{129}Xe
15:30 coffee break		
16:00 talk 30	Wurm*, G., Lösche, C., Teiser, J.	Photophoretic motion of chondrules and other particles in the Solar Nebula
16:15 talk 31	Henke*, S., Gail, H.-P., Trieloff, M.	Modelling heat conductivity of chondritic media
16:30 talk 32	Neumann*, W. O., Breuer, D., Spohn, T.	A two-phase flow model for the water-rock differentiation of Ceres
16:45 talk 33	Bast*, R., Scherer, E.E., Sprung, P., Mezger, K., et al.	Comparing the Sm-Nd and Lu-Hf isotope systematics of eucrites and angrites
17:00 talk 34	Stephenson*, P.S., Leya, I., Hoffmann, B.A	The noble gas concentration of the Martian meteorites GRV 99027 and NWA 7906/NWA 7907 (paired with NWA 7034)
17:15 -19:00 poster session (see list below), at conference site in "Klösterle"		

Friday, 13.11.2015

09:00 talk 35	Hopp*, T., Fischer-Gödde, M., Kleine, T.	Ruthenium stable isotope fractionation during crystallization of planetesimal cores
09:15 talk 36	Matthes*, M., Fischer-Gödde, M, Kleine, T.	Pd-Ag metal-sulfide isochrons and the cooling history of iron meteorites
09:30 talk 37	Brennecka*, G.A., Kleine, T.	Measured U isotopes and a new Pb-Pb age for the IVA iron Muonionalusta
09:45 talk 38	Breutmann*, G, Trieloff, M, Schwarz, W, Ludwig, T, et al.	U-Pb geochronology on impact-zircon using Secondary Ion Mass Spectrometry
10:00 talk 39	Meier*, M.M.M., Cloquet, C., Marty, B., Ferriere, L., et al.	Did Hg from the Chicxulub impactor contribute to the K-Pg extinction?
10:15 coffee break		

Friday, 13.11.2015 (*cont.*)

10:45 talk 40	Avice, G., Wieler*, R., Meier, M.M.M., Marty, B., et al.	A comprehensive study of noble gases and nitrogen in a diamond-rich pebble from Egypt
11:00 talk 41	Rubie*, D.C., Laurenz, V., Jacobson, S., Morbidelli, A., et al.	Accreted metal did not strip Earth's mantle of HSEs during core formation
11:15 talk 42	Laurenz*, V., Rubie, D.C., Frost, D.J., Jacobson, S., et al.	The significance of sulfur for the highly siderophile element budget of the Earth's mantle
11:30 talk 43	Posner*, E.S., Rubie, D.C., Frost, D.J., Vlček, V., et al.	High P-T experiments and first principles calculations of Si, O, Cr diffusion in liquid iron
11:45 announcement	C. Münker	SPP 1833: Building a habitable Earth
11:55 miscellaneous	N.N.	
ca. 12:15 farewell	J. Zipfel	

Poster presentations

poster 1	Pakhomova, A.P., et al.	Deformation of water ice VI: a single-crystal X-ray diffraction study
poster 2	Mohr, P., et al.	T-dependent far infrared to millimeter wave opacity measurements of interstellar dust analogs
poster 3	Tamanai, A., et al.	Optical Properties of Non-Stoichiometric Amorphous Mg-Fe Silicates
poster 4	Vogt, M., et al.	Volatile composition of Cosmic Spherules
poster 5	Horstmann, M., et al.	CM chondrite aqueous alteration – chemical and oxygen isotope constraints from calcite
poster 6	Patzek, M. and Bischof, A.	Characterization of new volatile-rich clasts found in brecciated chondrites and achondrites
poster 7	Kadlag, Y.	Heterogeneity of the Cr isotopes in physically separated components of the Allende CV3 chondrite.
poster 8	Cerny, A.C., et al.	Chondrules in ordinary chondrites - textural analysis of droplets in the size range of 1-3 mm
poster 9	Gerber, S., et al.	Determining the titanium isotope composition of single chondrules from the Allende meteorite
poster 10	Riebe, M., et al.	Cosmic ray exposure ages of individual chondrules from Murchison (CM).
poster 11	Harries, D. and Barth, M.I.F.	Metal-related mineral assemblages as probes into protoplanetary gas-solid interactions – first experimental results
poster 12	Schleiting, M.S and Bischoff, A.	Brecciation of LL chondrites
poster 13	Hoffmann, V.A., et al.	Almahata Sitta meteorite - the Space Rosetta Stone
poster 14	Fischer, C., et al.	Thermal consequences of planetesimal impacts on meteoritic parent bodies
poster 15	Neumann, W.O., et al.	Effects of accretion and compaction on the evolution and structure of Ceres
poster 16	Mikouchi, T., et al.	Raman spectroscopical investigations on returned particles from the asteroid Itokawa (JAXA Hayabusa mission).
poster 17	Morlok, A., et al.	Synthetic glass as analog for planetary infrared studies of Mercury

Poster presentations (*cont.*)

poster 18	Fazio, A., et al.	Texture of coesite in diaplectic glass from Ries suevites
poster 19	Hammerich, S.A. and Trieloff, M.	Mobilization of K in shock-metamorphic plagioclases
poster 20	Barosch, J., et al.	K-Ca dating of muscovite
poster 21	Hochleitner, R.H., et al.	The Braunschweig meteorite (fall 2013, L6 chondrite: Moessbauer and Raman spectroscopy.
poster 22	Hoffmann, V.H., et al.	The Eichstädt meteorite, a historical fall in Bavaria from 1785 - revisited.