

MAT science Week

Wednesday 25 April 2018

Mat Science Week: Session 6 - KBW lecture hall (14:15-14:45)

time	[id] title	presenter
14:15	[0] Materials Research irradiation facilities at GSI/Fair	Dr SEVERIN, Daniel

Mat Science Week: Session 7 - KBW lecture hall (17:15-19:05)

time	[id] title	presenter
17:15	[59] GSI/FAIR	Prof. GIUBELLINO, Paolo
17:45	[51] Enabling in situ diffraction and imaging studies during heavy relativistic ion irradiation and studies of photon-ion interactions: A „Compact Light Source @ SIS 100 @ FAIR	Mr WINKLER, Bjoern
18:05	[4] 1-10 MeV/u cw-heavy ion beams at GSI	MISKI-UGLU, Maksym
18:25	[63] PRIOR - Proton Microscope for FAIR	VARENTSOV, Dmitry
18:45	[70] Plasma physics at FAIR using intense ion and laser beams	Dr NEUMAYER, Paul

Thursday 26 April 2018

Mat Science Week: Session 8 - KBW lecture hall (08:45-10:15)

time	[id] title	presenter
08:45	[1] Material modifications under extreme conditions delivered by swift heavy ions	Mr TOULEMONDE, Marcel
09:15	[64] Structural Transformations Induced at Extreme Conditions: Coupling High-Pressure Cells with Energetic Ion Beams	Prof. LANG, Maik
09:45	[52] High pressure devices: Design, performance & applications	Dr KLOTZ, Stefan

Mat Science Week: Session 9 - KBW lecture hall (10:45-12:15)

time	[id] title	presenter
10:45	[66] Time-resolved measurements at high pressures using diamond anvil cells	Dr KONOPKOVA, Zuzana
11:15	[2] Equation of state for strong compression	Prof. HOLZAPFEL, Wilfried B.
11:45	[65] "High pressure" (tba)	BOEHLER, Reinhard

Mat Science Week: Session 10 - KBW lecture hall (14:15-15:35)

time	[id] title	presenter
14:15	[28] Acoustic energy loss measurements of GeV ions	Dr ASSMANN, Walter
14:45	[37] Avalanches and crackling noise	Prof. SALJE, Ekhard
15:15	[6] Swift heavy ion-irradiated calcite (CaCO ₃) analyzed by UV-C Laser excited Fluorescence-Spectrometry	Prof. GLASMACHER, Ulrich Anton

Mat Science Week: Session 11 - KBW lecture hall (17:00-18:20)

time	[id] title	presenter
17:00	[17] Verification of velocity effect in yttrium iron garnet by HR-STEM observations of latent tracks.	Mr SAIFULIN, Maxim
17:20	[25] Structural and mechanical properties modifications induced in α -Al ₂ O ₃ under swift heavy ions	Mr RIBET, Alexis
17:40	[12] Radiolysis of nucleobases under heavy ion irradiation: scaling laws for radio-resistance	Dr AGNIHOTRI, Aditya Narain

Friday 27 April 2018

Mat Science Week: Session 12 - KBW lecture hall (09:00-10:20)

time	[id] title	presenter
09:00	[24] TEM investigations of structural and chemical order in III-N semiconductors irradiated by swift heavy ions	Dr MATTEI, Jean Gabriel
09:20	[16] Heavy ion-induced gas desorption in accelerators	Dr BENDER, Markus
09:40	[58] Photothermal radiometry study of heavy ion beam induced modification of polycrystalline graphite thermal properties	PROSVETOV, Alexey
10:00	[11] Swift heavy ion irradiation damage in advanced nanostructured alloys	Prof. ROGOZHKIN, Sergey

Mat Science Week: Session 13 - KBW lecture hall (10:50-11:50)

time	[id] title	presenter
10:50	[48] Heavy Ion Radiation Effects on Hafnium Oxide based Resistive Random Access Memory	Mr PETZOLD, Stefan
11:10	[42] Space Radiation Environment and Effects at LIP	Mr SAMPAIO, Jorge
11:30	[72] Shock synthesis on radiation damaged samples- A new field for investigation ?	Dr SCHLOTHAUER, Thomas