Posters

01	Alexis Amouretti (online)	**Hematite phase diagram under laser shock compression**
02	Donato Belmonte (online)	**Melting phase relations at extreme conditions: a thermodynamic approach based on phase diagrams calculation**
03	Armin Bergermann	**Gibbs-Ensemble Monte-Carlo simulations for binary mixtures**
04	Mandy Bethkenhagen (online)	**Carbon ionization at gigabar pressures: An *ab initio* perspective on astrophysical high-density plasmas**
05	Katerina Falk (online)	**The use of structured targets to enhance x-ray line emission for probing of warm dense matter**
06	Timofey Fedotenko	**Synthesis and compressibility of novel nickel carbide at pressures of Earth outer core**
07	Sandeep Kumar	**Ionization and transport in the multi-component plasma of Hot Jupiter atmospheres**
08	Dominic Langhammer	**A two component model for silicate melt viscosity**
09	Hanns-Peter Liermann (online)	**Progress in using XFELs to unravel the superionic character of ice in planetary environments**
10	Julian Lütgert	**Structural properties of shock-compressed polyethylene terephthalate**
11	Xiayun Pan (online)	**Investigation of hot dense plasmas heated by short-pulse intense laser using x-ray spectroscopy**

Posters

12	Christian Plueckthun	**Investigating the effect of compression rates on the stress development in experiments using the dynamic diamond anvil cell (dDAC) technique**
13	Esther Posner (online)	**Atomic-scale insight into the material properties of liquid iron alloys as a function of pressure, temperature, and composition**
14	Martin Preising	**Metallization of dense fluid helium from ab initio simulations**
15	Ludwig Scheibe	**Influence of a thermal boundary layer on the thermal evolution of Uranus and Neptune**
16	Maximilian Schörner	***Ab initio* analysis of x-ray Thomson scattering**
17	Jie Yao	**$MgSiO_3$-SiO_2 eutectic at lower mantle pressure from multi-anvil experiments**