

Proposal for a scientific session at IMA 2022

Title: Mineralogy at extreme conditions in Earth and other planets

Convenors: Catherine McCammon, Paola Comodi, Bruno Reynard plus one convenor at the early career level

Sponsor: Sub-commission "Earth deep interior" of the CPM

Description: Minerals play a critical role in how planets work. The way minerals respond to changes in pressure, temperature and composition determines properties and processes of deep planetary interiors, both within our own solar system and beyond. We invite contributions on all aspects of high-pressure mineralogy, both experimental and computational, that shed new light on our understanding of planetary structure, composition and processes, both in the past and the future.