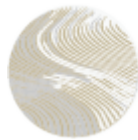


Session Program

Oct 6 - 8, 2025



22nd International Workshop on the Ceramic Breeder Blanket Interactions (CBBI-22)

Irradiations

Kyoto University Uji campus, Kihada Hall (Obaku Plaza)
Kyoto University Uji campus, Gokasho, Uji, Kyoto, 611-0011, Japan

Mon, October 6

3:40 PM

Irradiations

Session |

Location: Kyoto University Uji campus, Kihada Hall (Obaku Plaza), Kyoto University Uji campus, Gokasho, Uji, Kyoto, 611-0011, Japan

15:40 – 16:00

Investigating the Effect of High Energy Ion Irradiation and High Temperatures on the Mechanical Properties and Phase Stability of the Highly Lithium Dense ‘Octalithium Ceramics’ (Li₈MO₆, M = Zr, Sn, Pb and Ce) for Tritium Breeding

Speaker

Pedr Charlesworth

16:00 – 16:20

Neutronics experiments on the mock-ups of WCCB and COOL blanket under D-T neutron irradiation conditions

Speaker

Qingjun Zhu

16:20 – 16:40

Multiple irradiation campaigns for the testing of solid breeder specimens

16:40 – 17:00

Neutronics analysis of the ceramic breeder blanket materials irradiation in the IFMIF-DONES test modules

Speaker

Ali Abou-Sena

17:00 – 17:20

Development and Application of Machine Learning Potential for Lithium Titanate for Radiation Damage Simulations

Speaker

Donggyu Lee

17:20 – 17:40

Investigation of hydrogen isotope release behavior in long-term annealed tritium breeding pebbles

Speaker

Qiang Qi

5:40 PM