

Session Program

19-22 Apr 2022

**International Conference on Fast Reactors and Related
Fuel Cycles FR22: Sustainable Clean Energy for the Future
(CN-291)**

6.1 Neutronics

Vienna, Austria

Wednesday 20 April

10:40

6.1 Neutronics

Session | Location: Vienna, Austria

10:40–10:52 Comparison of calculation methods for lead cooled fast reactor reactivity effects

Speaker

Máté Szieberth

10:52–11:04

Neutronics analysis of CEFR Start-up tests at IGCAR using FARCOB and ERANOS 2.1 Code Systems

Speaker

Mr Abhitab Bachchan

11:04–11:16

Verification of the SPL module of the neutron diffusion code AZNHEX through Neutronics Benchmark of CEFR Start-Up Tests

Speaker

Dr Roberto Lopez-Solis

11:16–11:28

Objectives and Status of Neutronics Sub-exercises of the OECD/NEA Benchmark for Uncertainty Analysis in Modelling for Design, Operation and Safety Analysis of SFRs

Speaker

Friederike Bostelmann

11:28–11:40

REALISATION OF AN ADJUSTED NUCLEAR DATA LIBRARY BASED ON ENDF/B-VIII.0 NUCLEAR DATA EVALUATIONS FOR THE ALFRED CORE

Speaker

Mr donato maurizio castelluccio

11:40–11:52

Spatial interdependence of safety related effects in ESRF-SMART core

Speaker

Jiri Krepel

11:52–12:04

The solution of nuclide kinetic equation for fast reactor in the OpenBPS code with options of choosing calculation method and uncertainties analysis.

Speaker

Ivan Bukhtiarov

12:04–12:16

Study on actinide conversion capabilities of Molten Salt Reactors (MSR)

Speaker

Laura Mesthiviers

12:40