

PATRICIA

Virtual Technical Meeting

<https://us02web.zoom.us/j/83322980963?pwd=ZEhVVDNIQSsrU3ZWdHZnaDhNZ29hQT09>

29/03/2021 9:00-11:00 a.m.

Domain 4 – WP11
System thermal-hydraulics safety

Agenda

- Domain Leader Message (Roelofs)
- Work Package Leader Message (Tarantino)

TASK 11.1 – Natural Circulation Experiments and Modelling for Pool-Type Reactors

- Experimental investigation of the transition between natural circulation modes in CIRCE (Di Piazza, 15')
- Numerical Investigation of the transition between natural circulation modes in CIRCE (Forgione, 10')
- Numerical Investigation of the transition between natural circulation modes in CIRCE (Moreau, 10')
- Experimental investigation of the transition between natural circulation modes in E-SCAPE (Van Tichelen, 15')
- Numerical Investigation of the transition between natural circulation modes in E-SCAPE (Keijers, 10')

Coffee Break (10')

TASK 11.2 – Heat Transport Modelling in CFD

- Enhancement of validation level of the explicit AHFM (Koloszar, 10')
- Implementation of the implicit AHFM in OpenFOAM (Koloszar, 10')
- Development of wall Function (Koloszar, 10')
- Automization (Koloszar, 10')