Implementing of an Isolated Condenser with non-condensable gases passive safety system originated in the ALFRED LFR demonstrator plant - to a CANDU 6 plant that was a general active safety systems designed plant.

*Technical Meeting on State-of-the-art Thermal Hydraulics of Fast Reactors*

Sep 26, 2022, 8:00 AM → Sep 30, 2022, 6:00 PM Europe/Vienna

C.R. ENEA, Camugnano, Italy

NITA IULIAN – RATEN CITON – nitai@router.citon.ro
I.P. NITA, R. PANCEF, M. Bigu, L. Nitulescu
Engineering Design and Requirements

- Process System Department
  - System design and specification
- Civil engineering (construction)
- Electrical power supply
  - active parts
  - Heat tracing
  - Street crane
  - Elevator, etc.
- Automation requirements (level switch indicator of pool)
- Simulation – RELAP5

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Mass flowrate IC system – passive flow

IC non condensable gases

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