



Contribution ID: 6

Type: **not specified**

Deterministic structural integrity analysis of RPV under PTS loads & technical visits to two major facilities in Switzerland

The objective of the course is to obtain intermediate knowledge on how to perform thermo-mechanical and fracture mechanics analyses of a reactor pressure vessel (RPV) subjected to pressurized thermal shock (PTS) loads with three-dimensional models of the RPV FE-models. The software to be used is ABAQUS. The course covers only deterministic integrity analyses of the RPV on the framework of the APAL project structural analysis benchmark.

This part of the course will be Instructor-led training: This takes place in a classroom, with a trainer presenting the material. The trainer can answer specific questions or direct them to further resources. No direct practice will be given.

The course include two technical visits:

- Hotlab at Paul Scherrer Institute (PSI)
- Leibstadt power plant

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