



Contribution ID: 9

Type: **not specified**

## **Thermo-mechanical simulations of the dump core (2/2)**

Description of the design studies undertaken to analyse the core-vessel interface and arrive at the current proposed design.

- Requirements
- Reason for shrink fitting
- General challenges (tolerances, stress, assembly)
- Procedure for shrink fitting of isostatic graphite blocks and lessons learnt
- Impact of titanium vessel and conclusions from prototype
- Challenges of shrink fitting CFC, studies and simulations performed, conceptual CFC shrink fitting procedure and associated design features
- Why shrink fitting of CFC in 318LN is not feasible

**Presenter:** LUND, Asbjorn