



Contribution ID: 5

Type: **not specified**

## Energy deposition studies

*Tuesday 11 March 2025 09:40 (25 minutes)*

Description of beam-matter interaction studies performed as the basis for the HL TDE design.

- Setup of different models used
- Material properties
- Breakdown of total energy deposited by component
- Energy density profile for nominal, full intensity dump event
- LBDS failure scenarios results and conclusions
- Other conclusions

**Presenters:** LECHNER, Anton (CERN); GUERIN, Helene