Requirements and development plans
TU Darmstadt, European XFEL

Geant4 Technical Forum
3 March 2011

➔**Improvements and validation of the radioactive decay simulation**

Code: facilitate unit testing, interchangeability (i.e. Beta-Fermi implementation), enhance speed. Include long term activation
Validation: self consistent experiments
→ using standard sources in progress, using normal sheath activation on satellite components planned in August
Data files: Include data origin and allow user friendly update from data sources.

➔Collaboration in progress
➔**Correct and validated simulation important for many applications: space, medical, low background experiments, radiation security**

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