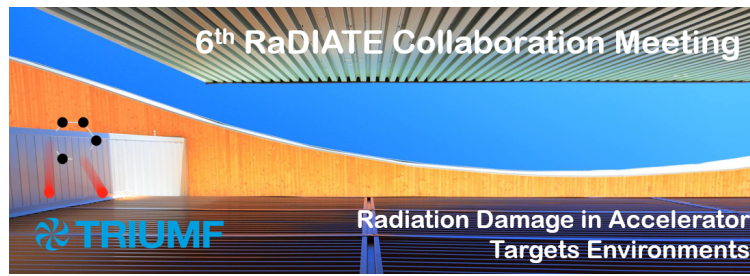


## 6th RaDIATE Collaboration Meeting



Contribution ID: 51

Type: Poster

# Reliability Indexing Methods and their Application in Medical Isotope Targetry

*Tuesday, 10 December 2019 17:00 (2 hours)*

Reliability indexing methods provide a means to combine explicit operational data with structural analysis techniques to better assess the ability of a design to undergo specific loading cases. Load variability can be assessed to add additional limits on the stresses components are able to handle, allowing for a more comprehensive estimate of operational life to be made. In design cases, this methodology can be combined with Kriging methods (Gaussian process regression) to minimize the number of Finite Element simulations required to converge on a given feature of a part.

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**Session Classification:** Poster session