

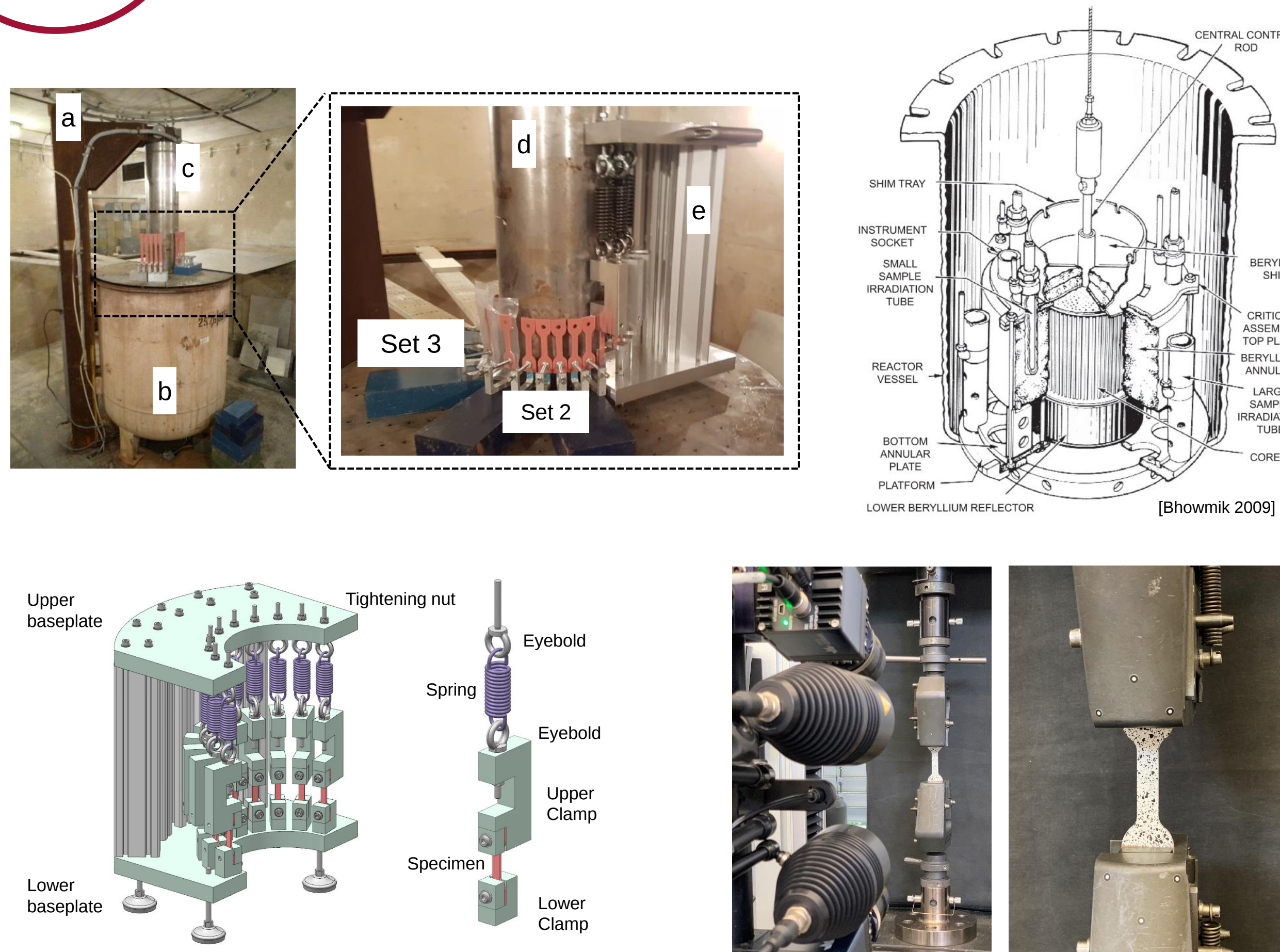
Empirical investigations on the effects of ionizing radiation on epoxy structural adhesives and resins: An overview

J. Zimmermann, T. Schalm, M. Z. Sadeghi, K.U. Schröder



How can radiation damage test data help to establish new design guidelines for adhesive joints under ionizing radiation environment?

Radiation Testing

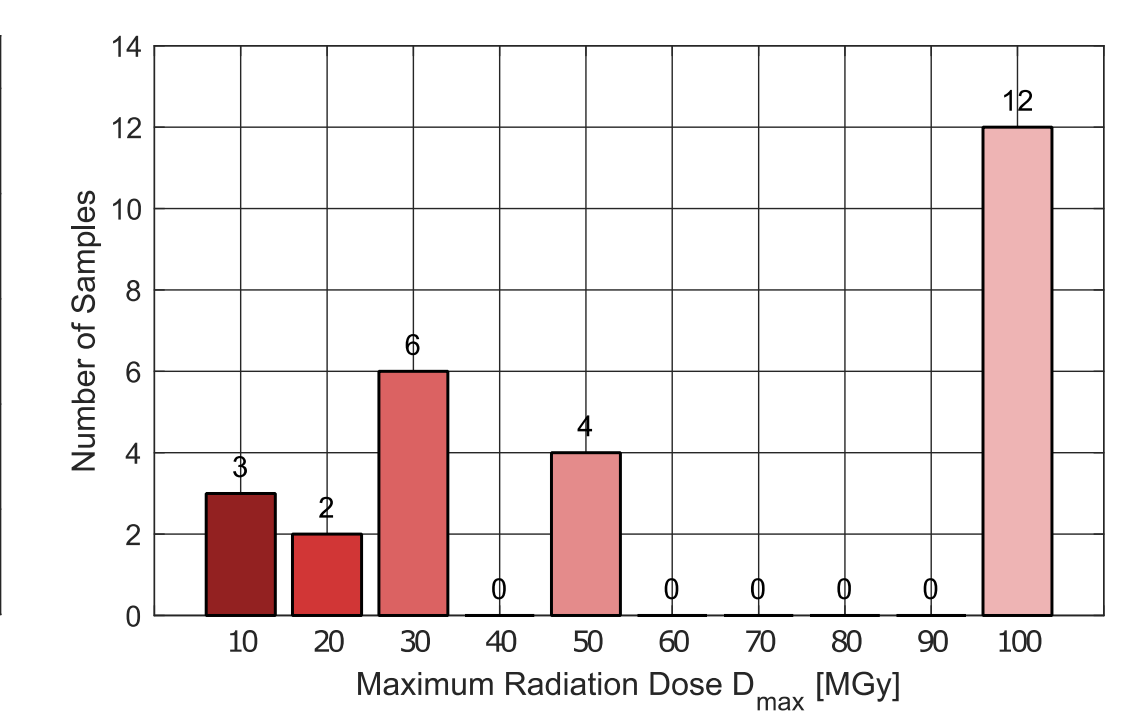
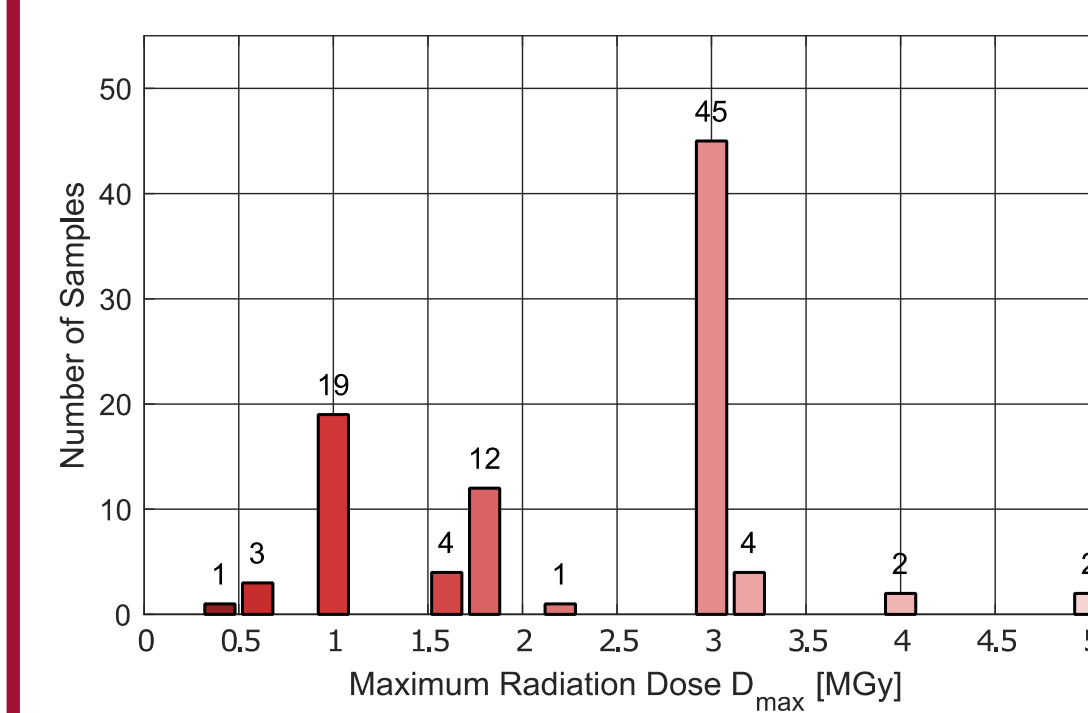
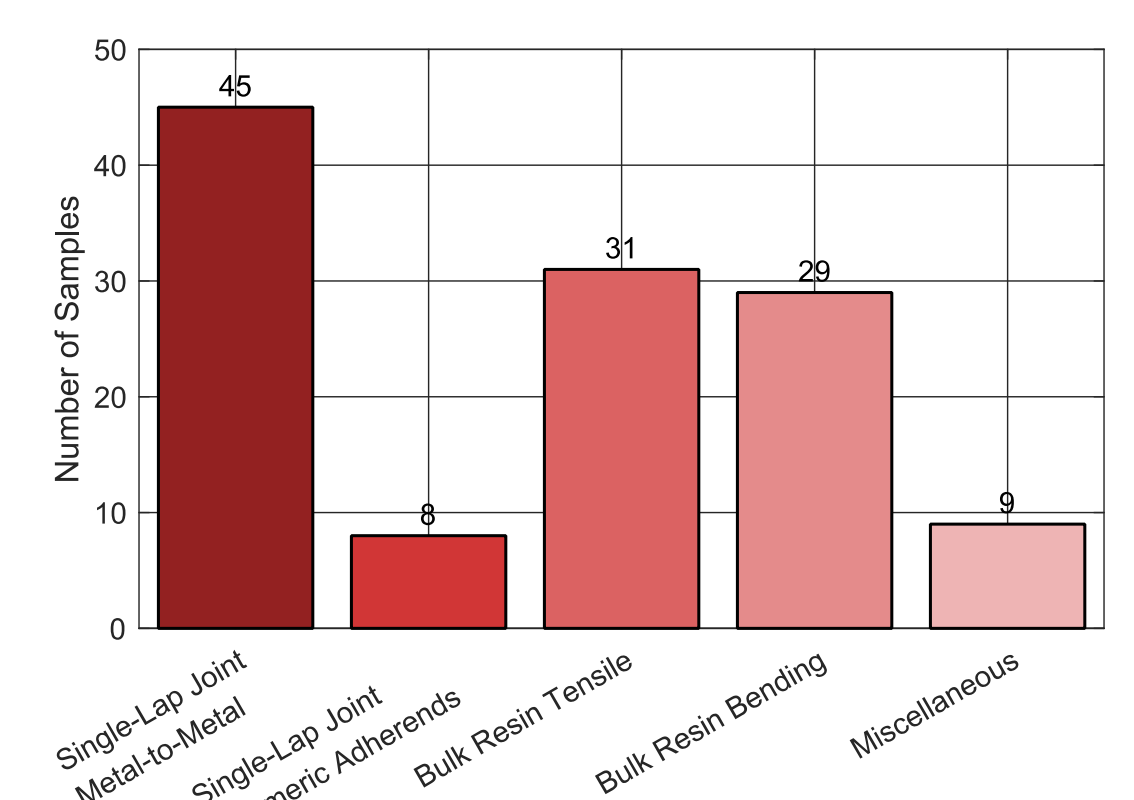


Literature Survey

122 Data Sets

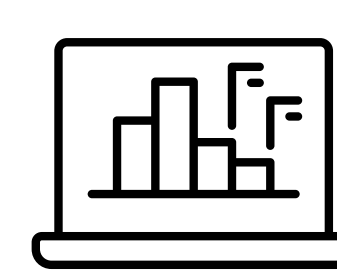
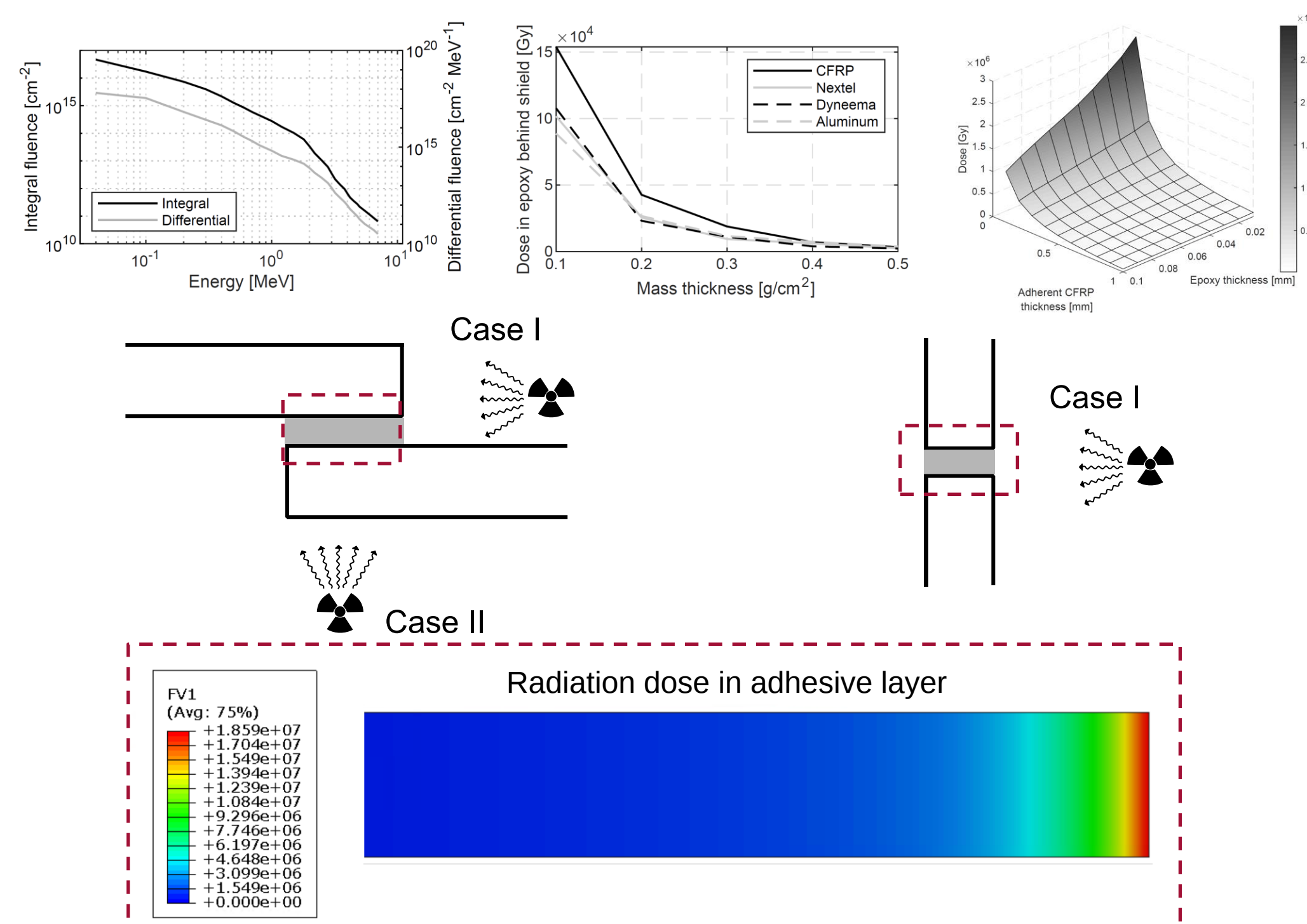
Up to 200 MGy

8 Test Types

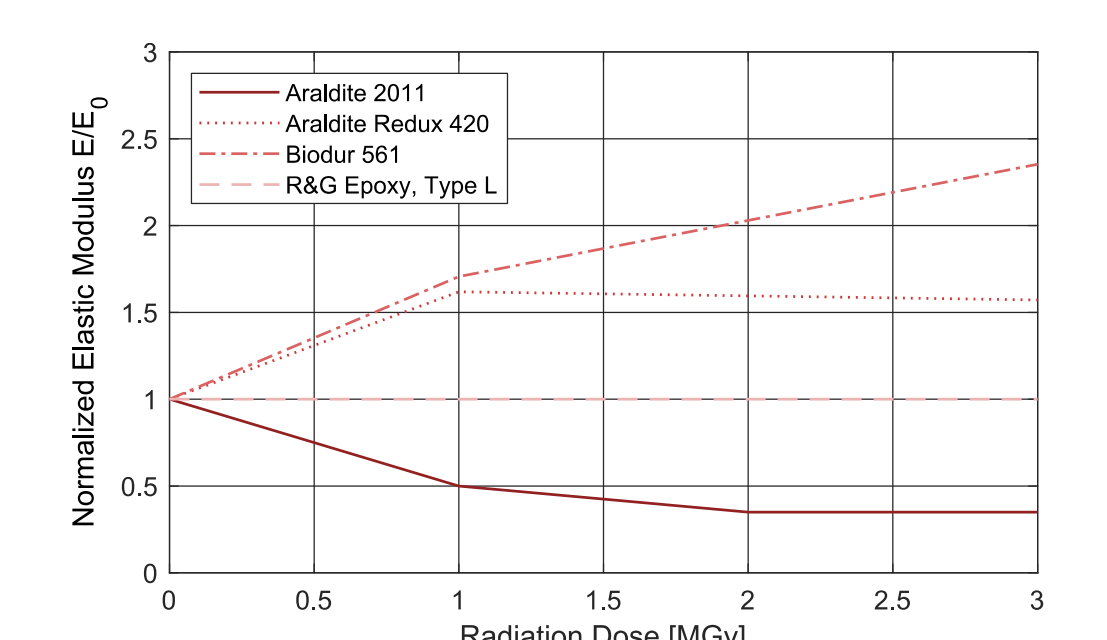
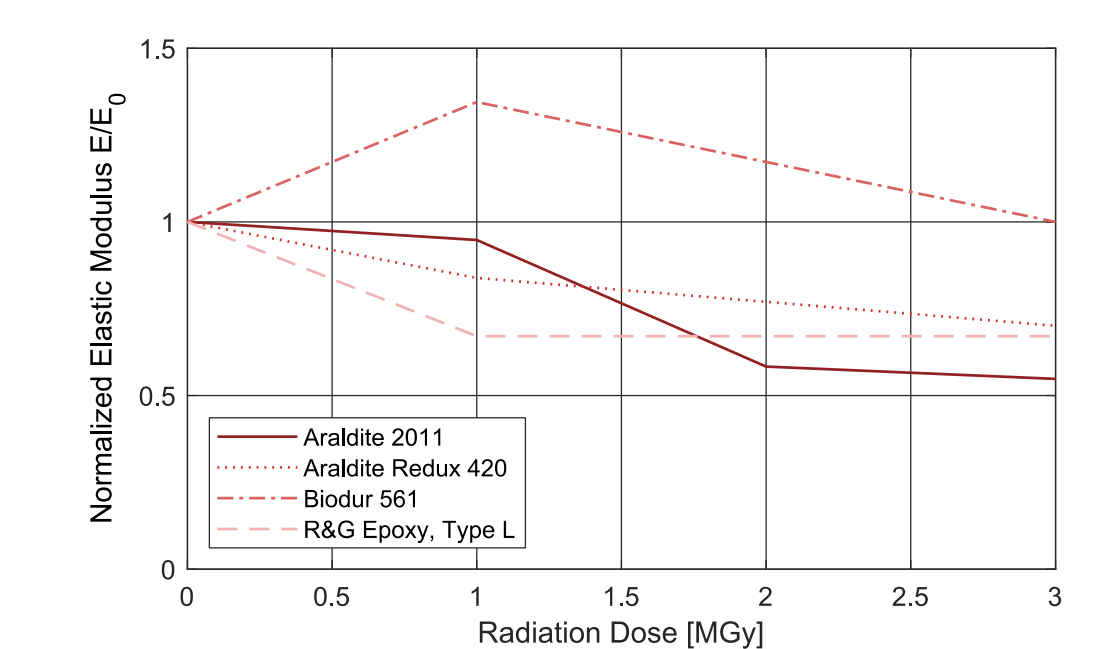
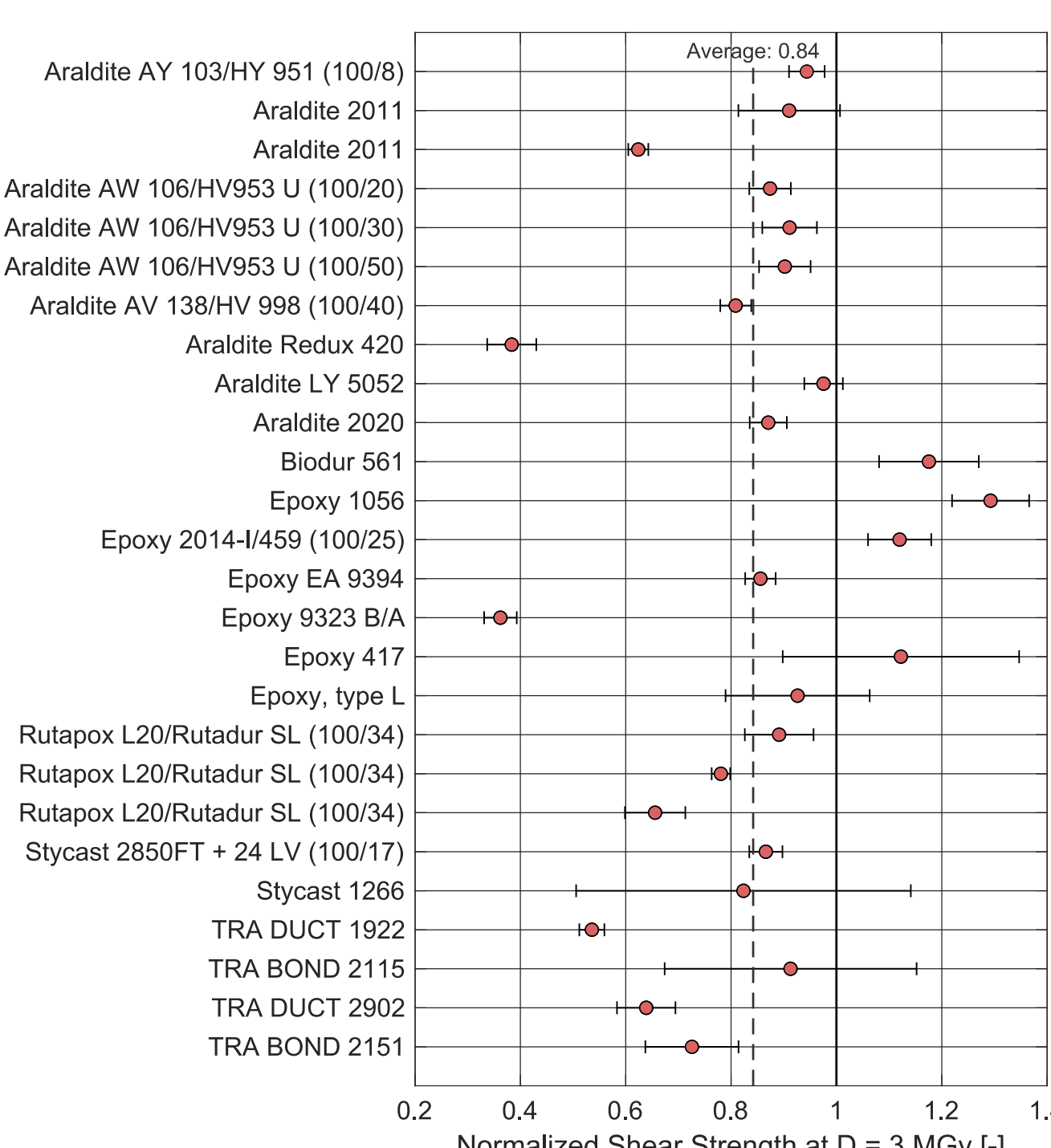


Joint Design ...

... considering the degradation of Stiffness and Strength after irradiation



Data Analysis



Field of Application

