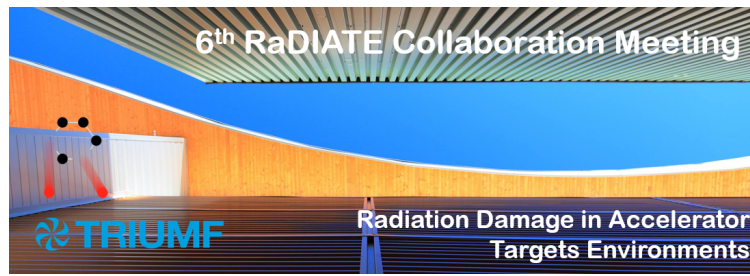


6th RaDIATE Collaboration Meeting



Contribution ID: 59

Type: not specified

Cyanate ester insulation for the ARIEL target modules high voltage feedthrough

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

Fibre-reinforced cyanate ester resin-based composites have been studied and used for applications in high radiation environments such as electrical insulation for magnet coils. Here we explore the composite's planned use in a unique, large-scale high voltage insulation application; the high voltage feedthrough (HVFT) for the ARIEL target modules. To be discussed are physical properties and characteristics of the composite relevant to the HVFT, in addition to associated technical challenges and risks.

Presenter: SHKURATOFF, Alexander (TRIUMF)

Session Classification: Poster session