

Use of low-density graphitic materials for beam-intercepting devices

Tuesday 20 June 2023 11:15 (25 minutes)

The presentation will cover the use of graphitic materials in beam intercepting devices. Particular focus will be given to the LHC external dump (TDE), characterising the different materials that are employed in the dump and those that are under study for the HL-LHC upgrade. A detailed breakdown of the R&D program for this application will cover the simulation and experimental techniques as well as the post-irradiation examinations and results. Finally, the upcoming procurement efforts are going to be detailed, together with the related strategy for material qualification and quality assurance.

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Session Classification: Beam instrumentation needs 2/2