

## **Dose estimations for target's storage and MEDICIS Lab. using Fluka**

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Using Fluka simulation code for particle transport by Monte-Carlo methods, and Flair software, the radiation levels' assessment has been done for different stages of engineering design. Dose levels for both prompt radiation (due to targets' irradiation in the experimental hall) and non-prompt radiation (due to the hot targets stored) have been calculated. The several contributions to dose have been taken into account and calculated by various methods in order to speed up the simulations without compromising the accuracy of the results, permitting the evaluation of many different options for the storage (and features) relatively fast.

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