



Contribution ID : 43

Type : **Poster**

## **Estimate of radiation background using modelling for the SRC experiment on HyperNIS**

*Tuesday, 22 October 2024 17:05 (115)*

Background radiation estimation is an important part of the process of planning and conducting experiments in high energy physics. The aim of this work is not only to calculate radiation doses for the safe conduct of the new short-range correlations experiment using Geant4, but also to compare with the results obtained using FLUKA.

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**Session Classification** : Poster session

**Track Classification** : High energy physics: experiment