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Inelastic Nuclear Interactions at Crystal Collimation of Proton Beams

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This work is devoted to the aspect of crystal collimation concerning the interactions between projectiles of a collimated beam and nuclei of a bent crystal used as a collimator (inelastic nuclear interactions, INI). Namely, here we continue to analyze

the dependence of INI intensity on crystal orientation. Additionally to that analysis here we consider the non-saturated regime of beam passage and include miscut-related effects.

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