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Quantitative theory of dechanneling in bent and straight single crystals.

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Based on results of paper [1] devoted to study of volume reflection and volume capture we develope the so name "one-trajectory approximation of a diffusion process" for conditions of channeling process in straight and bent single crystals. We extend this approximation for a sufficiently long crystals. We also consider posively and negatively
charged hadron beams.
References
[1] S. Bellucci, Yu. A. Chesnokov, V. A. Maisheev, and I. A. Yazynin
PhysRevSTAB.18.114701 (2015).

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