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Spin Rotation of Planar Channeled Muons and Anti-Muons in Bent Crystal

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In the present report, we study the spin rotation of muons and anti -muons moving in a bent crystal in planar channeling regime. For this purpose, we find particle's trajectory in the crystal. Using calculated trajectory we find exact solution of the BMT equation and calculated the angel of muon (anti - muons) spin rotation. The result of calculation is compared with one for spin rotation of muons and anti -muons in the rectilinear crystal.

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