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Consistency of the Born Approximation for Aharonov-Bohm Scattering with Massless spin-1/2

Particles

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<u>Abstract:</u> The second order contribution for the relativistic scattering of massless spin-\frac{1}{2} particles from an infinitely long solenoid, in the context of covariant perturbation theory, is calculated and shown to vanish. Thus, Born approximation is consistent for this case as well.

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