Dispersive estimates for magnetic Klein-Gordon equation

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We obtain a dispersive long-time decay in weighted energy norms for solutions of 3D Klein-Gordon equation with magnetic and scalar potentials. The decay extends the results of [3], [5] and [4] for the Schrödinger, wave and Klein-Gordon equations with scalar potentials. For the proof we develop the spectral theory of Agmon, Jensen and Kato and minimal escape velocities estimates of Hunziker, Sigal and Soffer.

References

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