



Mathematical Physics

Removal of UV cutoff for the Nelson model with variable coefficients

C. Gérard, F. Hiroshima, A. Panati, A. Suzuki

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We consider the Nelson model with variable coefficients. Nelson models with variable coefficients arise when one replaces in the usual Nelson model the flat Minkowski metric by a static metric, allowing also the boson mass to depend on position. We study the removal of the ultraviolet cutoff.

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