

# The low-energy behaviour of Regge poles

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We investigate the behaviour of Regge poles in the low-energy limit and show that for a potential such that  $|(1+r)V(r)|$  is integrable, the associated Regge poles tend either to the spectral points of the limiting self-adjoint problem or to infinity. This confirms the experimental results which show that Regge poles formed during low-energy electron elastic scattering become stable bound states.

The talk is based on work supervised by M. Marletta and B. M. Brown.