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## Currents And Mesons

**light scalar tetraquark mesons in the qcd sum rule** - construct independent tetraquark currents for scalar mesons. more generally, there are some independent currents for a given spin with different flavor structures. this is very much different from the ground state baryons, where different flavor representations 8 and 10 correspond to different spins 1/2 and 3/2, which induce a mass splitting **renormalization of one meson exchange potentials and their ...** - arxiv:1009.2632v1 [nucl-th] 14 sep 2010 renormalization of one meson exchange potentials and their currents a. calle cordón 1 and e. ruiz arriola departamento de física atómica, molecular y nuclear, universidad de granada, e-18071 granada, spain. **about the quark currents in leptonic decays of ...** - about the quark currents in leptonic decays of pseudoscalar mesons v.p efrosinin, a.n. khotjantsev institute for nuclear research ras 60th october ave., 7a, 117312, moscow, russia abstract with usage of obvious mechanisms of quark currents the amplitudes of leptonic decays of pseudoscalar mesons are investigated. the estimation for **lettere al nuovo cimento vol. n. 3 settembre 1977** - the decoupling of axial mesons from currents (4) the amplitude for the process  $j \rightarrow i + \ell + \bar{\nu}_\ell$  where j is the local current  $i \bar{\nu}_\ell$  is given by (5)