



Contribution ID: 6

Type: **Parallel talk**

ρ mesons in the large N_f

We reconsider the old attempts to describe effectively the interactions of light vectorial resonances as Yang-Mills fields of a hidden local symmetry. Coupling the vectors to pions and other light pseudoscalars in the framework of the large N_f limit (N_f being the number of isospin flavors) we calculate corrections to the pion form factors and pion-pion scattering amplitudes in energy regimes above the typical chiral scale allowed by chiral models involving only pions and photons. We reproduce the ρ dominance of the pion electromagnetic form factor and other phenomenological relations of low energy meson physics in the simple scheme of hidden local symmetries plus large N_f .

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