



ID de la contribución : 8

Tipo : no especificado

interaction and correlation functions of external particles with molecular states

I shall report on the interaction of external particles with molecular states made from the interaction of mesons, evaluating the scattering matrix and the correlation function. In particular I shall discuss the cases: $pf_1(1285)$, $nD_{s0}^*(2317)$, $n\bar{D}_{s1}(2460)$ and $n\bar{D}_{s1}(2536)$, $Kf_1(1285)$, $KD_{s0}^*(2317)$, $\pi f_1(1285)$ and $\eta f_1(1285)$ and $KX(3872)$. In most cases we find a three body bound state, and the correlation functions have similar structures. The recent ALICE experiment on the $pf_1(1285)$ and the agreement with the theoretical predictions, give support to the results obtained for analogous cases and call for an experimental search.

Primary author(s) : Prof. OSET, Eulogio (IFIC)

Presenter(s) : Prof. OSET, Eulogio (IFIC)

Clasificación de la sesión : Saturday morning (Session 4)