

High spin resonances produced in $\pi^+\pi^-\pi^-$ and $\pi^-\pi^0\pi^0$ systems at VES setup

Friday, 8 June 2018 18:25 (0:20)

Collaboration

VES

Abstract content

A study of high spin resonances produced in $\pi^+\pi^-\pi^-$ and $\pi^-\pi^0\pi^0$ systems with 29 GeV/c π^- beam on Be target is presented. Above 90 million events for the first one and 32 million events for the second one are collected with VES setup in a wide range of transfer momentum squared $0 < |t'| < 1$ GeV/c². This is the largest statistics in the world. The $a_3(1875)$ and $a_4(2050)$ meson parameters are given and their production mechanism is discussed.

Primary author(s) : KACHAEV, Igor (IHEP, Institute for High Energy Physics, Protvino, Russia)

Presenter(s) : KACHAEV, Igor (IHEP, Institute for High Energy Physics, Protvino, Russia)

Session Classification : Parallel Session C4