

Recent results with upgraded VES setup: $\pi^-3\pi^0$ and other systems

Yu. Khokhlov^(a), for the VES Experiment

^(a) Institute for High Energy Physics, Protvino

Status of the VES setup upgrade is reviewed. A number of various final states, mainly one-prong multi-photon events, not (or badly) accessible with the VES before, becomes promising for the study. Among them is the $\pi^-3\pi^0$ system potentially interesting because of relatively enhanced scalar component in 2-pion neutral subsystem. Another example is $\pi^-\eta\pi^0$ in background favorable mode $\pi^-4\gamma$ for the search for isospin symmetry breaking decay $\pi(1800) \rightarrow a_0(980)\pi$. The preliminary survey of new data is presented.

E-mail:

Yury.Khokhlov@ihep.ru