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Comparative study of the production of scalar and tensor mesons in e+e- collisions

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The intensity of scalar $a_0(980)$, $f_0(980)$ and tensor $a_2(1320)$, $f_2(1270)$ mesons production at VEPP-2000 (BINP, Novosibirsk) and, possibly, the upgraded DAΦNE (Frascati, Italy) in the processes $e^+e^- \rightarrow a_0(f_0, a_2, f_2)\gamma$ is calculated with the help of VDM and the kaon loop model (for scalar mesons case).

The processes $e^+e^- \rightarrow a_2(f_2)\gamma$ have not been seen in the energy region 1.5 – 2.0 GeV. It turned out that at this energies $\sigma(e^+e^- \rightarrow a_2(f_2)\gamma) \sim 10$ pb and $\sigma(e^+e^- \rightarrow a_0(f_0)\gamma) \sim 0.1$ pb.

Photon angle distribution, the spin density matrices of a_2 and f_2 and the background situation will be reported also

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