

Abstract Submitted
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Phi meson photoproduction near threshold energies BENJAMIN JACKSON, FEI HUANG, KANZO NAKAYAMA, University of Georgia — ϕ meson photoproduction is discussed within an effective Lagrangian approach, as a part of a combined analysis of meson production reactions. Particular emphasis is given to the analysis of the recent photoproduction data from the LEPS Collaboration, where a bump structure at $\sqrt{s} \approx 2.15$ GeV has been observed. Effects of the possible spin-1/2 and -3/2 resonances are investigated as well as the various background contributions, such as the pseudo-scalar and scalar t -channel meson exchanges, in addition to the pomeron exchange.

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