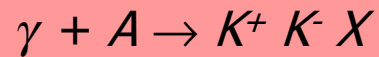


ϕ photoproduction off nuclei

P.Mühlich, T.Falter, C.Greiner, J.Lehr, M.Post, U.Mosel, PRC 67, 024605 (2003)

Question:

Are there visible effects in



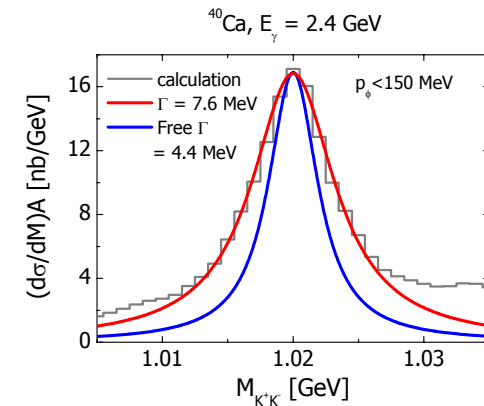
due to an in-medium change of the ϕ meson properties?

Answer by

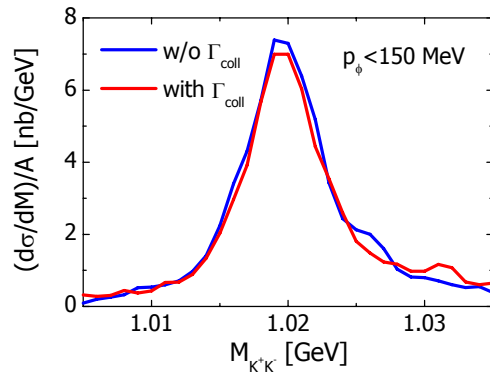
BUU transport simulation



$$\Gamma_{\text{coll}}(\rho = \rho^0) = 26 \text{ MeV}$$

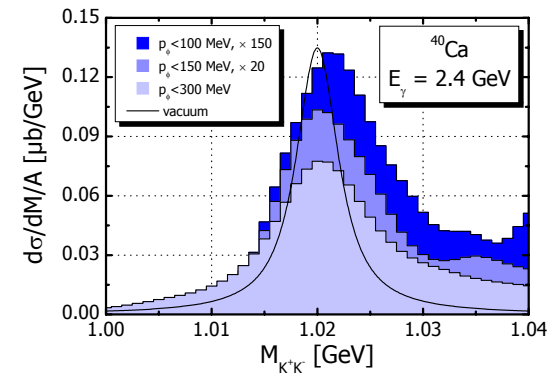


Influence of the Coulomb potential



➡ No remaining sensitivity on ϕ in-medium properties!

Impact of Kaon mass shifts



➡ Evidence for Kaon mass modifications!