

Overview on $(p,2p)$ experiments - what did we learn?

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A review of quasifree $(p,2p)$ knockout reactions and how our understanding of the reaction mechanism developed over the years, will be presented. It will be shown how early concerns regarding the validity of the impulse approximation, theoretical problems related to off-shell behaviour and the appropriate treatment of rescattering effects proved to be not quite as serious as was originally feared. On the other hand, scattering into the continuum in the spectrum of protons induced by energetic proton projectiles turned out to be more complicated than the anticipated simple relationship to a knockout process. Results demonstrating our current knowledge regarding the link to knockout will be presented.