
Discussion on QE scattering

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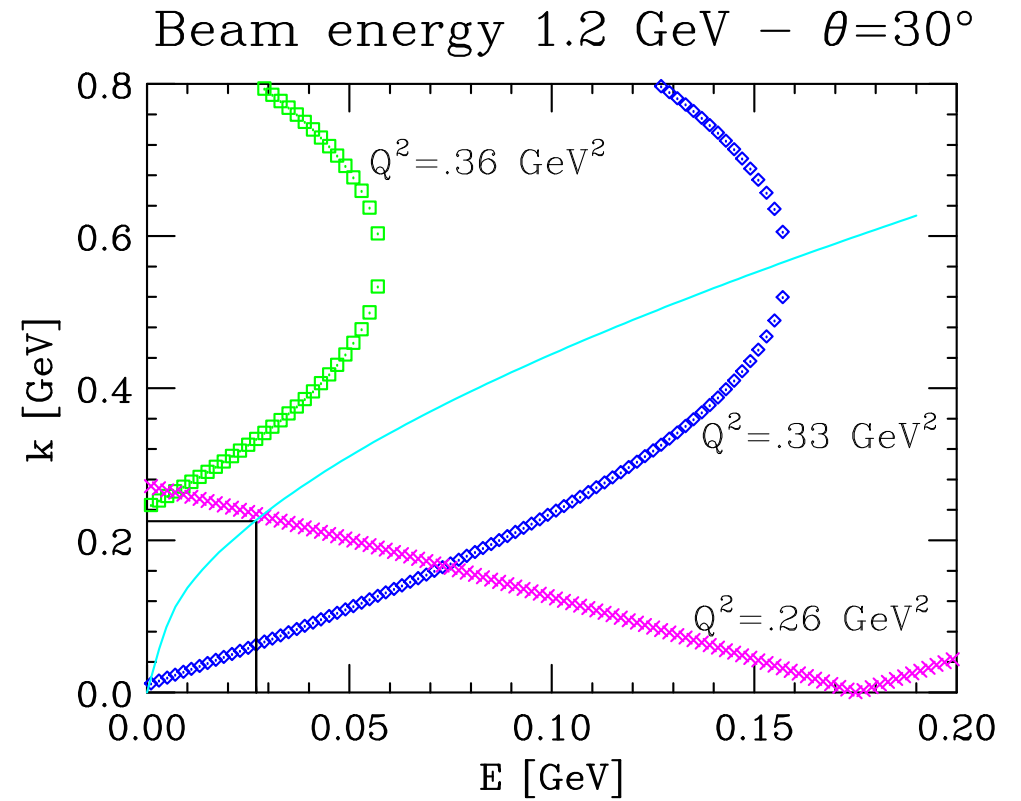
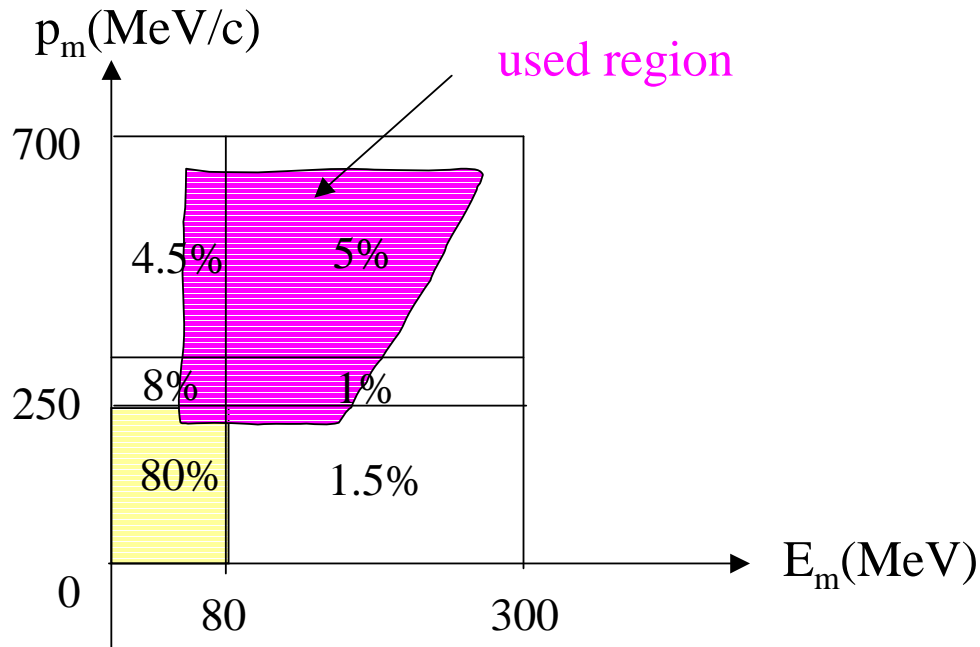
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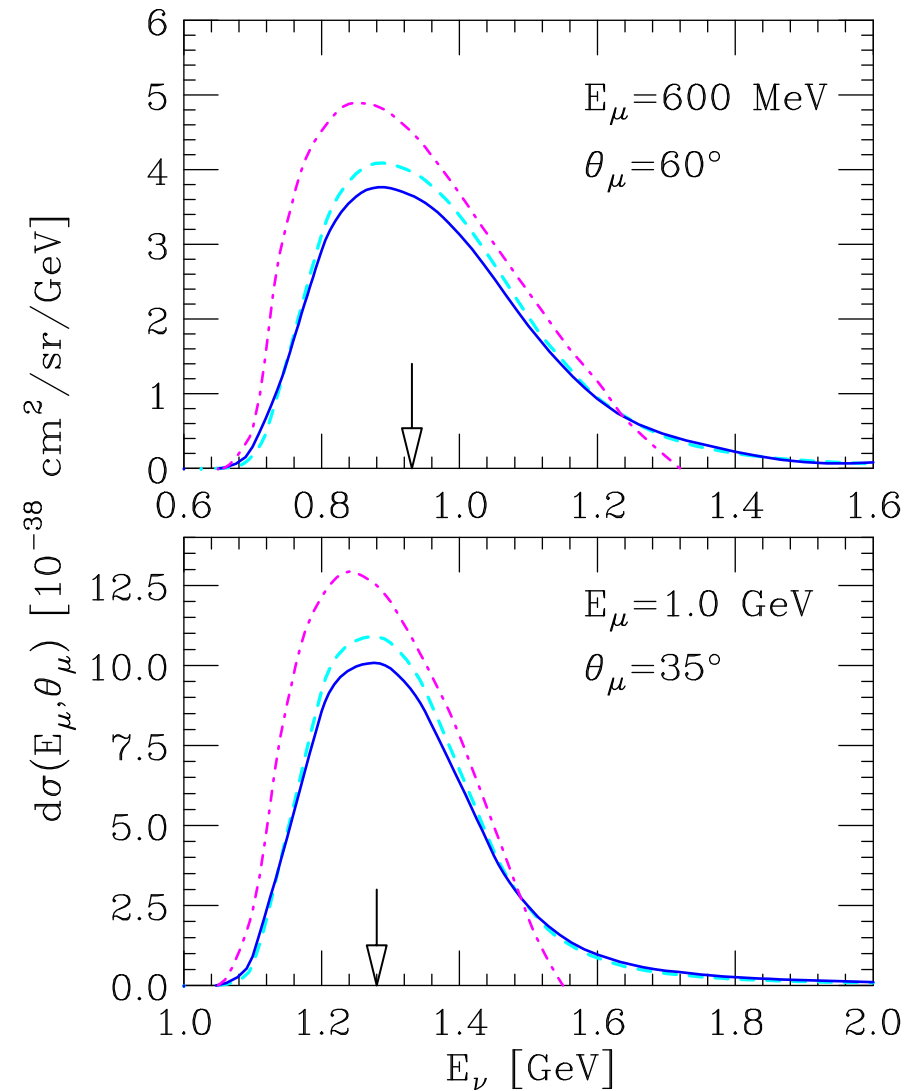
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- ★ The spectral functions resulting from these models can (in fact should) be used to describe initial state dynamics in neutrino nucleus interactions
- ★ Implementation of realistic spectral functions in simulation codes appears to be a viable option

Sensitivity to correlation strength



Reconstruction of neutrino energy in $\nu_\mu + {}^{16}\text{O} \rightarrow p + \mu + X$



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- ★ Approximations can be good or bad. This is often a highly controversial subject
- ★ Unnecessary approximations should **never** be used !