Quasielastic scattering with the Relativistic Green Function approach

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NuInt12 - Rio de Janeiro - October 2012

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$\heartsuit$: we are interested in a consistent description of FSI in exclusive and inclusive reactions

$\spadesuit$: relativistic models for electron and neutrino-nucleus scattering

$\diamondsuit$: Relativistic Green's Function

$\clubsuit$: RGF: matrix elements of the same type as usual RDWIA models, but eigenfunctions of both $\mathcal{V}$ and $\mathcal{V}^{\dagger}$ are involved $\Longrightarrow$ the imaginary part of the optical potential is very important $\Longrightarrow$ RGF very different from models like rROP

$\heartsuit$: good results for the (e, e') cross section

$\spadesuit$: results for the CCQE and NCE cross sections from MiniBooNE $\Longrightarrow$ reasonable agreement with data

$\diamondsuit$: possible contribution of reaction channels that are recovered by the imaginary part of the optical potential even if they are not included in the model