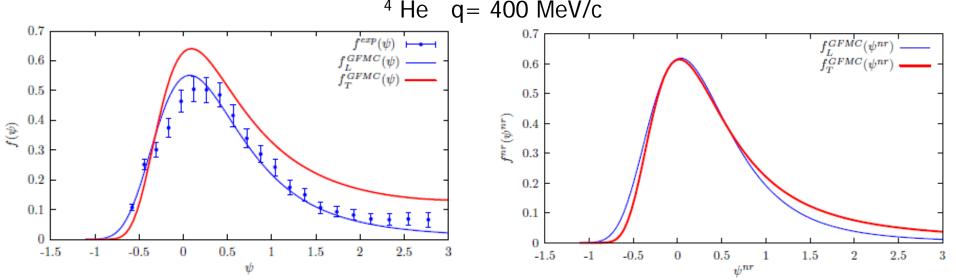
Recent and current activities

- Scaling properties of the Green's Function MC response functions
 - with N. Rocco, A. Lovato and J. Nieves
 - presented by Noemi at INT

http://www.int.washington.edu/talks/WorkShops/int_16_63W/People/Rocco_ N/Rocco.pdf

preprint will be out soon

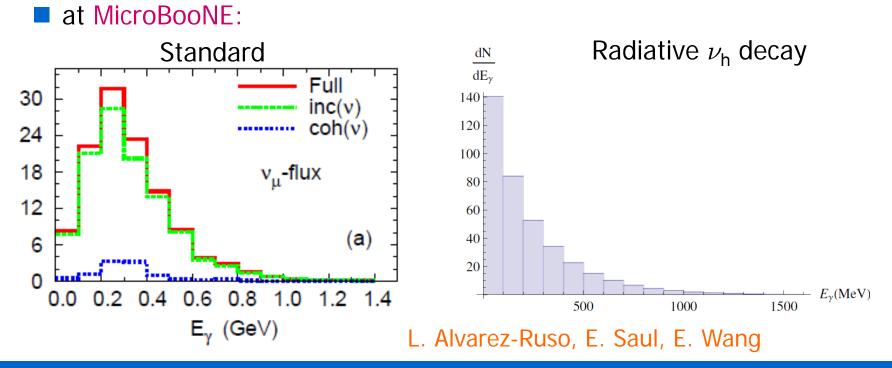


The asymmetric shape of the scaling function is present in GFMC in spite of its non-relativistic nature

L. Alvarez-Ruso, IFIC

Recent and current activities

- Production and radiative decay of heavy (m_h ≈ 50 MeV) neutrinos for SBN (SBND, MicroBooNE, ICARUS) @ Fermilab
 - suggested (exotic) explanation for the MiniBooNE anomaly
 - work with E. Saúl (PhD student)
 - poster at NuPhys2016 (London, December 2016)



Recent and current activities

- Scaling properties of the Green's Function MC response functions
- Production and radiative decay of heavy ($m_h \approx 50$ MeV) neutrinos for SBN
- Coherent Kaon production at MINERvA energies
 - Derivation of a Berger-Sehgal type of cross section (in terms of K-A elastic scattering cross section data)
 - Comparison to microscopic model of LAR et al, PRC87 (2013)
 - work in progress with E. Saúl
- Resonant model in GENIE
 - consistency with electron scattering data
 - with S. Dytman and L. Jiang.
 - proceeding too slowly...
- Coherent photon emission as a background to nu-e measurements
 - discussed with Jorge.