

Neieves model implementation in NEUT

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- Got a file with old NEUT and new NEUT from Hayato.
 - Official production.
- Check the different distributions to:
 - Check the implementation itself.
 - Compare to old model.
- Goal is to present a detailed comparison in Japan at the end of May.

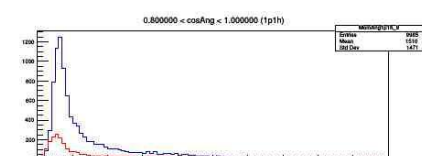
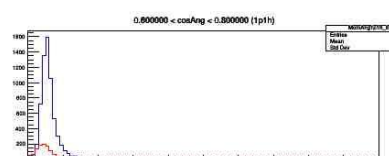
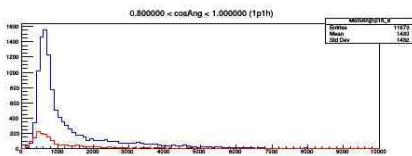
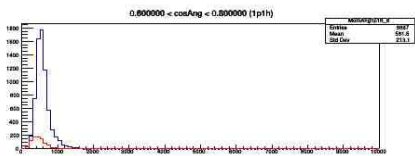
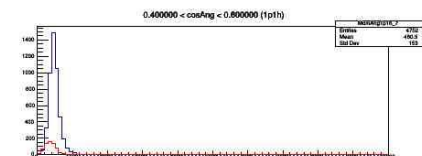
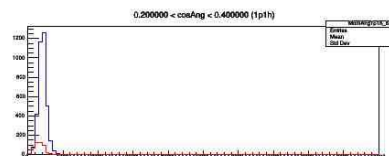
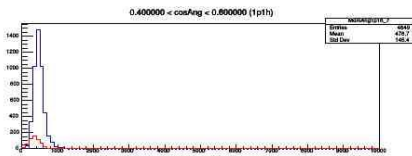
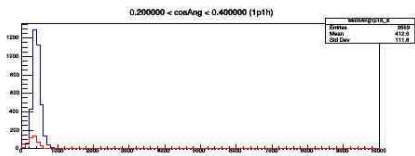
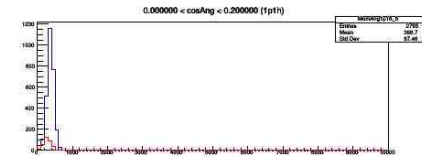
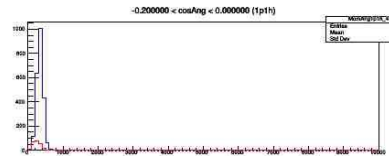
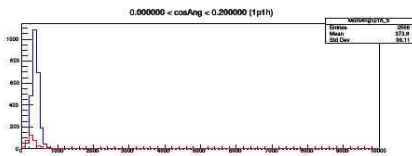
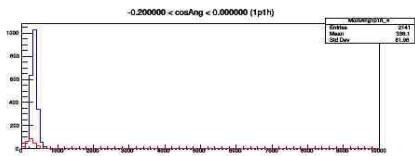
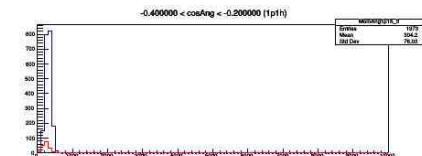
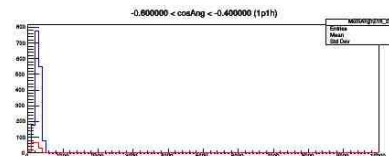
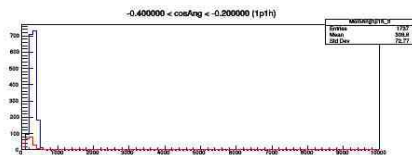
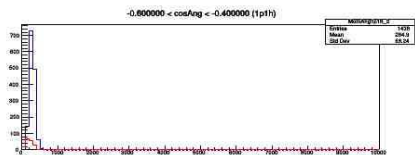
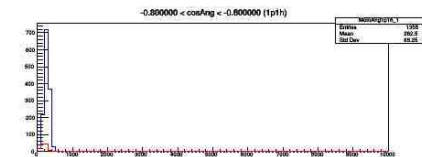
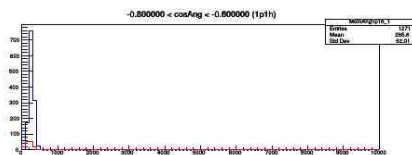
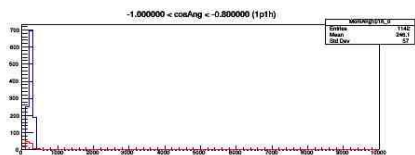
OLD NEUT

- Relativistic Fermi Gas.
- Nucleon fermi momentum independent of radial position in the nucleus.
- No RPA.
- BBA vector form factors.

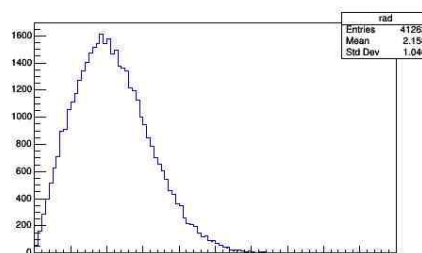
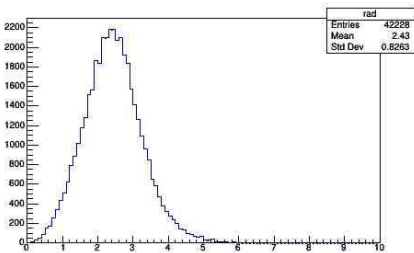
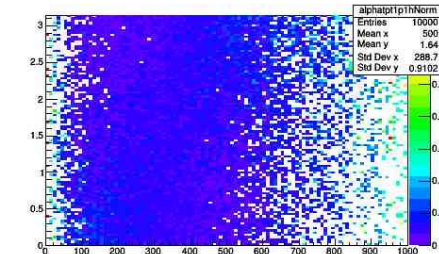
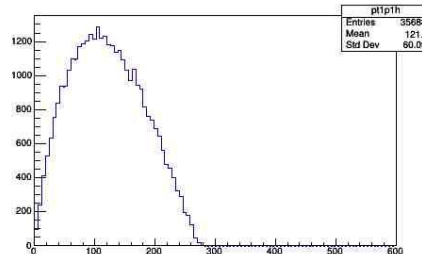
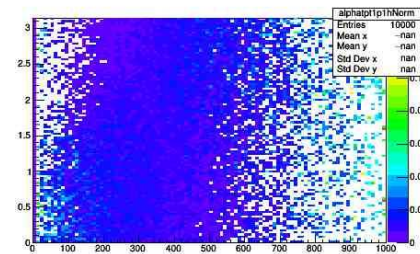
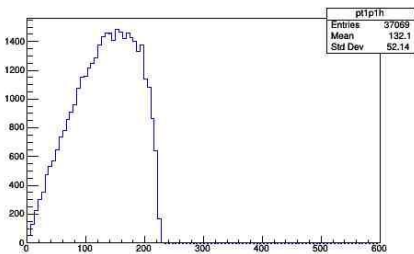
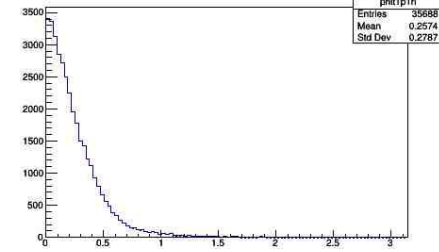
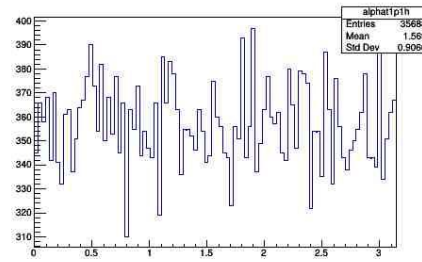
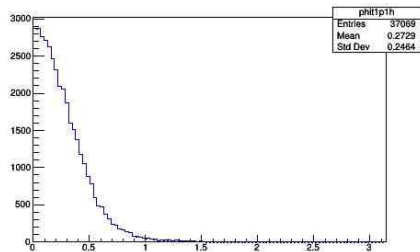
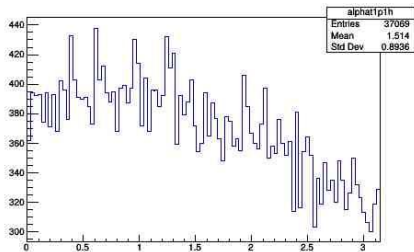
NEW NEUT

- Local Fermi Gas.
- Nucleon fermi momentum depends of radial position in the nucleus.
- RPA.
- Dipole vector form factors.
- Coulomb potential correction.

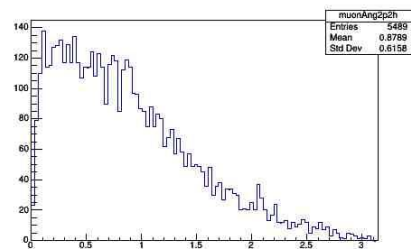
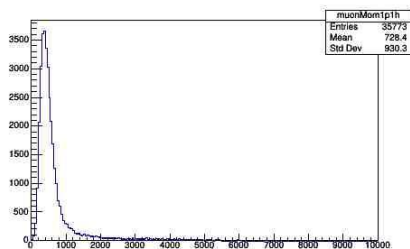
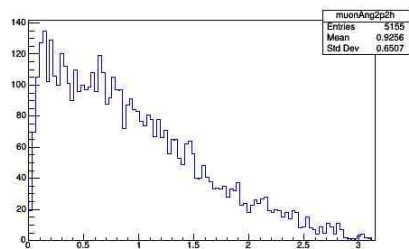
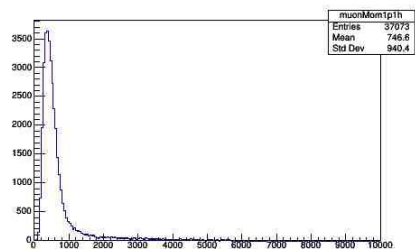
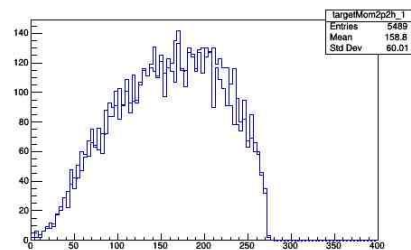
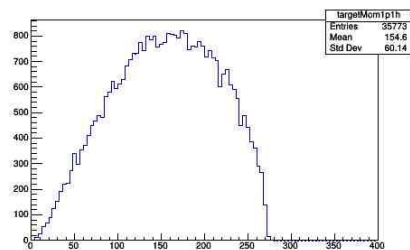
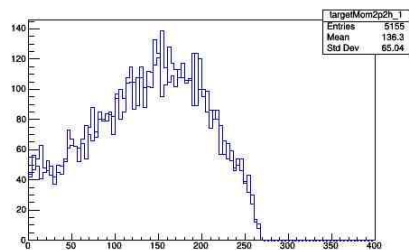
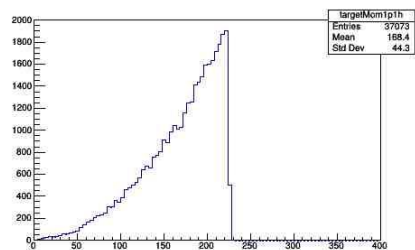
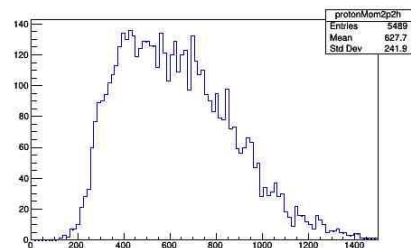
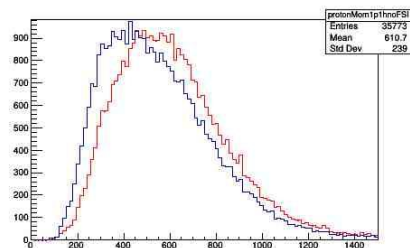
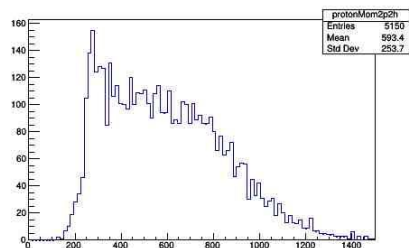
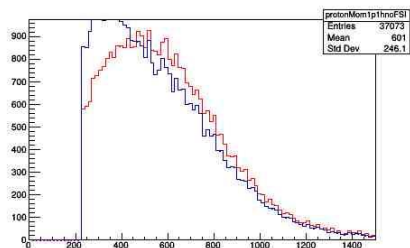
OLD



OLD



OLD



NEW