

# Simulation Package

- Cross section models:
  - Elastic:
    - Form Factors from *K. C. Stansfield et al., Phys. Rev. C, 3(1971)1448*
    - <sup>12</sup>C: charge distribution from *L. S. Cardman et al., Phys. Lett. B, 91(1970)203*
    - <sup>1</sup>H: Form Factors from *J. Arrington, Phys. Rev. C, 69(2004)022201*
    - <sup>4</sup>He, <sup>14</sup>N: Moshe's code, charge and magnetization densities from *De Jager, At. Data Nucl. Data Tables, 14(1974)*
  - Inelastic:
    - QFS model, original version is described in *J. W. Lightbody et al, Computers in Physics, 2(1988)57*
    - P. Bosted's Fits, the fitting result is described in *P. E. Bosted et al, Phys. Rev. C, 78(2008)015202* and *arXiv:1203.2262*
    - Radiative correction for QFS from K. Slifer's E94010 technical note
- Work as a standalone package, you could use it without the support of the simulation package