**Objectives:**
- Understand electromagnetic properties and transition rates of light nuclei
- Test realistic interactions and currents, including complete two-nucleon currents

**Impact:**
- Much improved description of all moments and electromagnetic transitions
- Increased confidence in our ability to explain electron and neutrino scattering from nuclei

**Magnetic Moments**

Green’s Function Monte Carlo (GFMC) calculations of light nuclei give accurate energies but a lowest-order theory of one-body currents (blue) disagrees with experiment (black).

Including two-nucleon currents based on effective field theory (red) improves all predictions!

**Electromagnetic Transitions**


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