Report generated on: 03-27-2024 15:55:53

Extracting GMn from SIMC reduced cross section and global fits to GEp, GEn, and GMn...

Loaded configuration parameters for kinematic 4.

  Beam energy = 3.739300

  Bigbite angle = 0.628319

  Measured Q2 = 3.033500

  Central Q2 = 3.033502

  Rsf = 0.935900 +/- 0.072800

Calculating shared analysis parameters...

  Tau proton = 0.861443

  Tau neutron = 0.859074

  Epsilon proton = 0.717857

  Epsilon neutron = 0.717857

  Dipole FF = 0.035972

Calculating reduced cross section with simc parameterizations...

  Reduced cross section, proton simc = 0.007760

  Reduced cross section, neutron simc = 0.003065

  Reduced cross section ratio simc = 0.394914

  Model independent Born + TPE cross section ratio using Rsf = 0.935900:

    0.369600

Calculating Arrington07 Born + TPE proton cross section...

  Model reduced cross section, proton = 0.007742

  Model reduced cross section error, proton = 0.000127

Calculating model-dependent measured Born + TPE neutron reduced cross section...

  Model dependent reduced cross section, neutron = 0.002862

Calculating Ye parameterization constants and Ye GEn...

  Ye tcut = 0.077919

  Ye tnot = -0.700000

  Ye z = 0.333315

  Ye x = 0.481944

    Ye GEn = 0.016185

    Ye GEn error = 0.001667

Calculating Ye GEn with 5%% TPE correction...

  Ye TPE corrected GEn = 0.014387

Extracting GMn...

  GMn = 0.065364

  dGMn = 0.002772

  GMn/GD/mun = 0.949841

  dGMn/GD/mun = 0.040283