● Use of Form factors parametrizations vs. microscopic theory:


● Connection between $T_{20}$ and $G_E$:


● Connection between $G_E$ and $N \rightarrow \Delta$:


● Extracting the Ge/Gm form factor ratio on the proton:


● Experimental extraction of the Ge/Gm form factor ratio on the proton:

  – *Measurements of electron-proton elastic cross sections*, M.E. Christy, nucl-ex/0401030

  – *BLAST measurement and extraction of Ge/Gm*

● Relativity and interpretation of form factors as charge/magnetism distributions:

Journal Club Topics and Papers

• Pion cloud interpretation of nucleon form factor data:
  
  

• Pion cloud and the $N \rightarrow \Delta$ transition:
  
  
  

• Deuteron properties:
  
  - Static and low energy properties
  
  - Electro-magnetic structure
  
  - Tensor forces

• Other topics
  
  - Electromagnetic polarizabilites of the nucleon
  
  - GDH and spin polarizabilities of the nucleon
  
  - The pion form factor and polarizability
  
  - Chiral extrapolation of lattice results
  
  - Comparing Form Factors and Parton Distribution Functions in the GPD limit
  
  - Parity violation and strange nucleon structure
  
  - Form factors in the time-like and space-like regions
  
  - Radiative effects in spin-dependent inelastic scattering
  
  - Complete experiments