

Measurements of the magnetic form factor at low- Q^2

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Similar to the charge radius, the magnetic radius of the proton, as well as the Zemach radius, are connection points between nuclear and atomic physics. For an accurate determination of both, precise data on the magnetic form factor, especially at low Q^2 , are required. However, the current world data is significantly lacking. In the talk, I will discuss the theoretical and experimental challenges of determinations of the magnetic form factor and describe a possible measurement program at PRAE.