

Re: radius of a free neutron

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"Y.Porat" <maporat@012.net.il> wrote in message
news:1105684697.060066.282160@f14g2000cwb.googlegroups.com...
> *and the proton ??*
> *which is a brother of the neutron??*
> *does it have ?*
> *and why shold a longish structure *have * a magnetic quadropole??*

Only if it has distributed magnetic dipole moment. If it has a charge distribution, it might have electric quadrupole moment. The elongated shape of the deuteron and its electric quadrupole moment are intimately connected.

Familiarise yourself with the nature of quadrupole moments of any kind.

Franz