

Abstract Submitted
for the DNP08 Meeting of
The American Physical Society

The energy spectrum of three protons trap systems SHALVA TSIK-LAURI, ROMAN KEZERASHVILI, Physics Department, New York City College of Technology, CUNY, Brooklyn, NY, USA — This paper consider possibility that three proton may bind in uniform strong magnetic field. We have used hyperspherical functions method for solution of the relative part Hamiltonian of three protons confined in the presence of an applied uniform magnetic field. The spin singlet-triplet transition in the ground state of the three protons is shown. We have also displayed the singlet-triplet energy gap, $\Delta = E_T - E_S$, against the strength of the magnetic field.

Shalva Tsiklauri
New York City College of Technology, CUNY, Brooklyn, NY, USA

Date submitted: 25 Aug 2008

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