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## Magnetic properties of light nuclei and the $np \rightarrow d\gamma$ transition

*Wednesday, 15 July 2015 14:00 (20 minutes)*

I will discuss the NPLQCD collaboration's recent calculations of the magnetic moments and polarisabilities of light nuclei up to  $A=4$  using background field methods. I will also describe an a calculation of the magnetic transition amplitude that determines the  $np \rightarrow d\gamma$  cross section that is of central importance in Big Bang Nucleosynthesis.

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