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## Novel and innovative applications of the lattice: Calculation of Parton Distributions, proton charge radius and neutron electric dipole moment

*Monday 29 August 2016 09:30 (30 minutes)*

We will present new methods to compute the parton distributions, the proton charge radius and the neutron electric dipole moment. We will demonstrate the applicability of our methods using twisted mass fermion configurations and compare to the results of other lattice QCD collaborations. Finally we will discuss future directions and perspectives for baryon structure studies within lattice QCD.

### Summary

**Primary author:** Prof. ALEXANDROU, Constantia (University of Cyprus and The Cyprus Institute)

**Presenter:** Prof. ALEXANDROU, Constantia (University of Cyprus and The Cyprus Institute)

**Session Classification:** Plenary

**Track Classification:** Plenary sessions