



Contribution ID: 288

Type: **Poster**

### **Precise lattice calculation of nucleon form factor with all-mode-averaging**

*Tuesday 9 September 2014 18:50 (1h 30m)*

We present the high-statistics analysis of axial charge and isovector form factor of nucleon in  $N_f=2$  Wilson-clover fermion configurations. Using all-mode-averaging techniques at  $m_\pi = 190\text{--}300$  MeV in  $2.5\text{--}4.0$  fm lattice with three different lattice cut-off, we aim to compute these observables below 5% accuracy. In this poster we present preliminary study of rigorous calculation to search the region of ground-state nucleon dominance in which the excited state contamination is efficiently suppressed.

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**Session Classification:** Poster Session

**Track Classification:** Poster Session