



Contribution ID: 65

Type: **Talk**

## Nucleon Matrix Elements at Physical Point and Cost Comparison

*Monday, July 25, 2016 5:45 PM (20 minutes)*

I shall report on calculations of isovector matrix elements of the nucleon, such as  $g_A$ ,  $g_s$ , and  $\langle x \rangle$  on the  $48^3 \times 96$  lattice with pion mass at 139 MeV and lattice size of 5.5 fm. We employ overlap valence fermion on the 2+1 flavor DWF configurations for the calculation. Also reported will be the strange quark momentum fraction and its magnetic moment from this lattice.

A comparison of the cost of such calculations with those of the twisted mass fermion, clover fermion, and

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**Session Classification:** Hadron Structure

**Track Classification:** Hadron Structure