

## Nucleon Form factor calculation using DWQCD

*Friday, July 27, 2018 5:30 PM (20 minutes)*

Nucleon form factors are not only interesting for understand the structure of the fundamental building blocks of nature, but they are also important input for various experiments such as neutrino facility.

They are also related to the electric and axial radius of proton or nucleon, experimental results of which present some puzzles. We report form factor results on 2+1 DWQCD at physical point. We may also discuss about exploratory study on form factors using distillation.

**Primary author:** IZUBUCHI, Taku (Brookhaven National Laboratory)

**Co-authors:** Dr MEYER, Aaron (Brookhaven National Laboratory); LEHNER, Christoph (BNL); Dr JUNG, Chulwoo (Brookhaven National Laboratory); Prof. SYRITSYN, Sergey (Stony Brook University (SUNY)); Dr JANG, Yong-Chull (Brookhaven National Laboratory)

**Presenter:** IZUBUCHI, Taku (Brookhaven National Laboratory)

**Session Classification:** Hadron Structure

**Track Classification:** Hadron Structure