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## Error reduction using the covariant approximation averaging

*Saturday, July 25, 2015 11:45 AM (15 minutes)*

I will present the recent result of nucleon form factor using error reduction technique, so called as all-mode-averaging. This algorithm is able to reduce the computational cost of correlation function in Monte-Carlo calculation by adopting the covariant approximation into quark propagator. In this talk, I will discuss this technique on nucleon form factor calculation and show the high statistical analysis of axial charge and isovector form factor in two-flavor Wilson-clover fermion configurations.

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