



Contribution ID: 300

Type: Talk

NPR determination of quark masses from the HISQ action

Tuesday, 14 July 2015 17:50 (20 minutes)

I will report on a calculation of quark bilinear Z-factors for the HISQ action using non-perturbative renormalization techniques. One of the main outputs is the mass renormalization factor Z_m relating bare quark masses to the $\overline{\text{MS}}$ scheme. This will provide an independent determination of quark masses in addition to other methods being used by the HPQCD collaboration.

Primary author: Dr LYTLE, Andrew (University of Glasgow)

Presenter: Dr LYTLE, Andrew (University of Glasgow)

Session Classification: Standard Model Parameters and Renormalization

Track Classification: Standard Model Parameters and Renormalization