

Status of the WP section on lattice HLbL calculation

A. Direct lattice calculation of a_μ^{HLbL} :

- ▶ General formulation
- ▶ Status of lattice calculations: RBC/UKQCD, Mainz, BMW, ETMC
- ▶ Comparisons of partial contributions: strange connected, light connected, pure $j_\mu^{I=1}$ (no π^0).
- ▶ Systematic errors: discretization errors, finite-volume effects, tail treatment
- ▶ Lattice averages
- ▶ Outlook: recommend. for future calculations, window(?), isospin decomp.

B. Pseudoscalar pole contributions

- ▶ General formalism
- ▶ Status of lattice calculations: Mainz, BMW, ETMC, RBC/UKQCD
- ▶ Detailed comparisons of the TFFs
- ▶ Systematic errors: discretization errors, finite-volume effects, tail treatment
- ▶ Lattice averages (at least for the π^0)
- ▶ Outlook: recommendations for future calculations.

Underlined: text exists.