



Contribution ID: 164

Type: Talk

## $|V_{cb}|$ from $\bar{B}^0 \rightarrow D^{*+} \ell^- \bar{\nu}$ zero-recoil form factor using 2+1+1 flavour HISQ and NRQCD

Wednesday, July 27, 2016 9:20 AM (20 minutes)

We present our recent calculation of the zero-recoil form factor for the semileptonic decay  $\bar{B}^0 \rightarrow D^{*+} \ell^- \bar{\nu}$  using lattice QCD with 2+1+1 flavours of highly improved staggered quarks in the sea (the MILC HISQ configurations) and using non-relativistic QCD for the bottom quark. We obtain  $\mathcal{F}(1)$  and combine this with the latest HFAG average of  $\eta_{EW} \mathcal{F}(1) |V_{cb}|$  to get a value for  $|V_{cb}|$ .

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**Session Classification:** Weak Decays and Matrix Elements

**Track Classification:** Weak Decays and Matrix Elements