

$B_s - \overline{B}_s$  mixing with chiral light quark action

**Presenter: Benoit Blossier**

*D. Becirevic, B. Blossier, Ph. Boucaud, JP. Leroy, A.LeYaouanc, O. Pene*

Abstract: We present the result of our numerical study of the  $B_s - \overline{B}_s$  mixing parameter, in which we combine the static heavy with the overlap (Neuberger) light quark actions. We compare ours with the previous results, and point out the benefit in using the chiral light quark since our approach does not require subtractions of spurious mixing in the renormalisation procedure.