

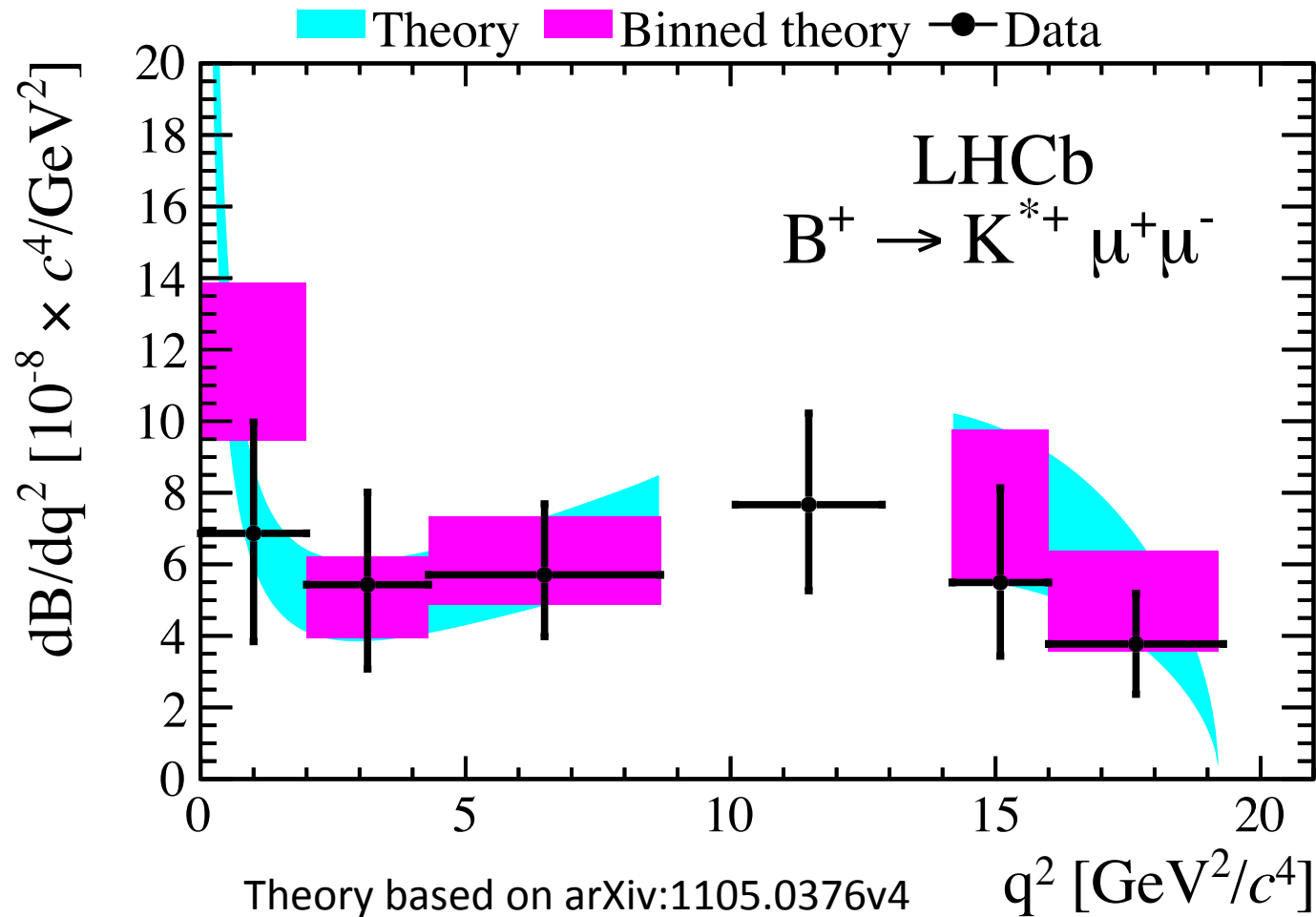
Isospin asymmetries of $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays - results

Collider cross-talk

Patrick Owen

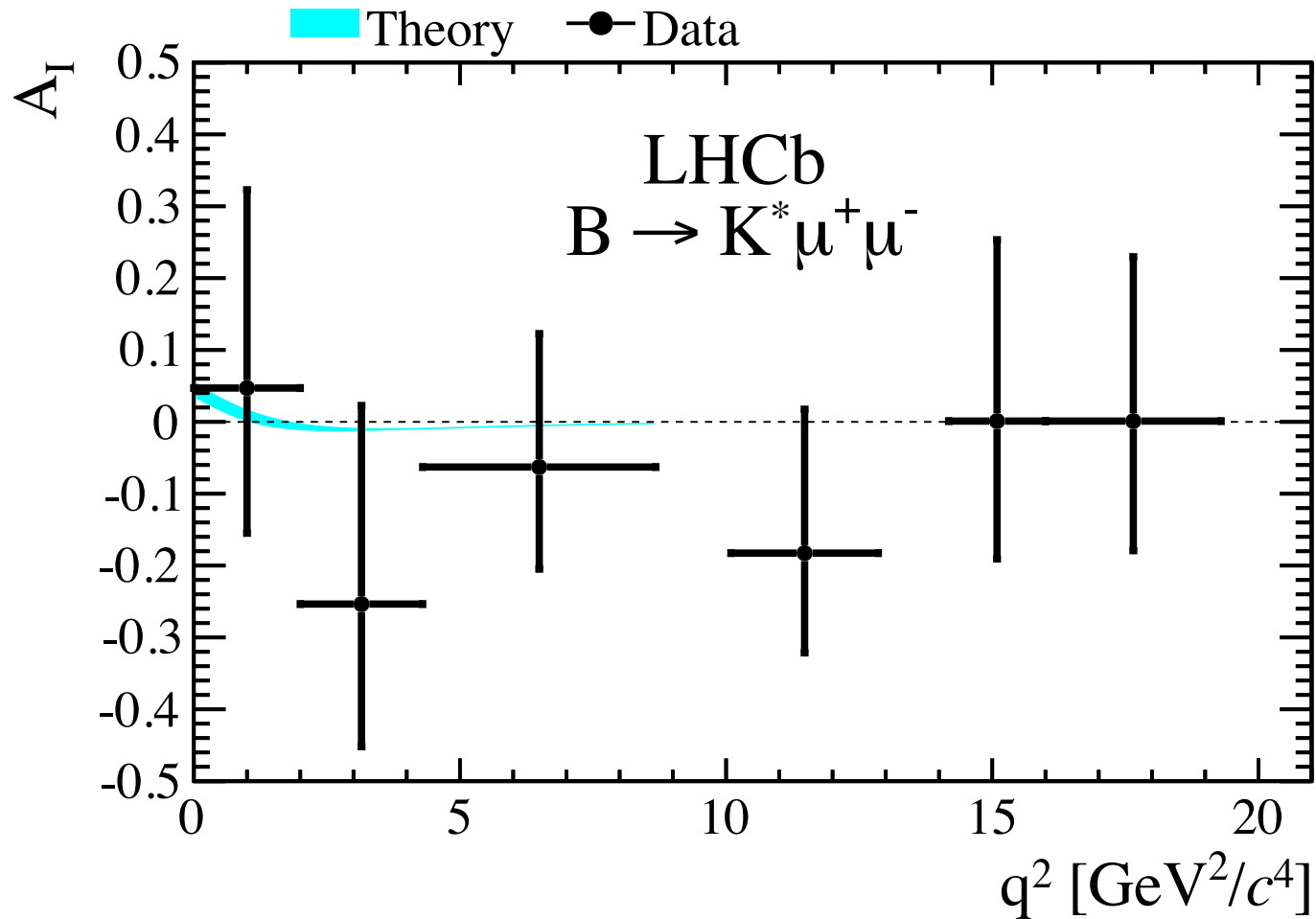
10/05/12

$B^+ \rightarrow K^{*+} \mu^+ \mu^-$ BF



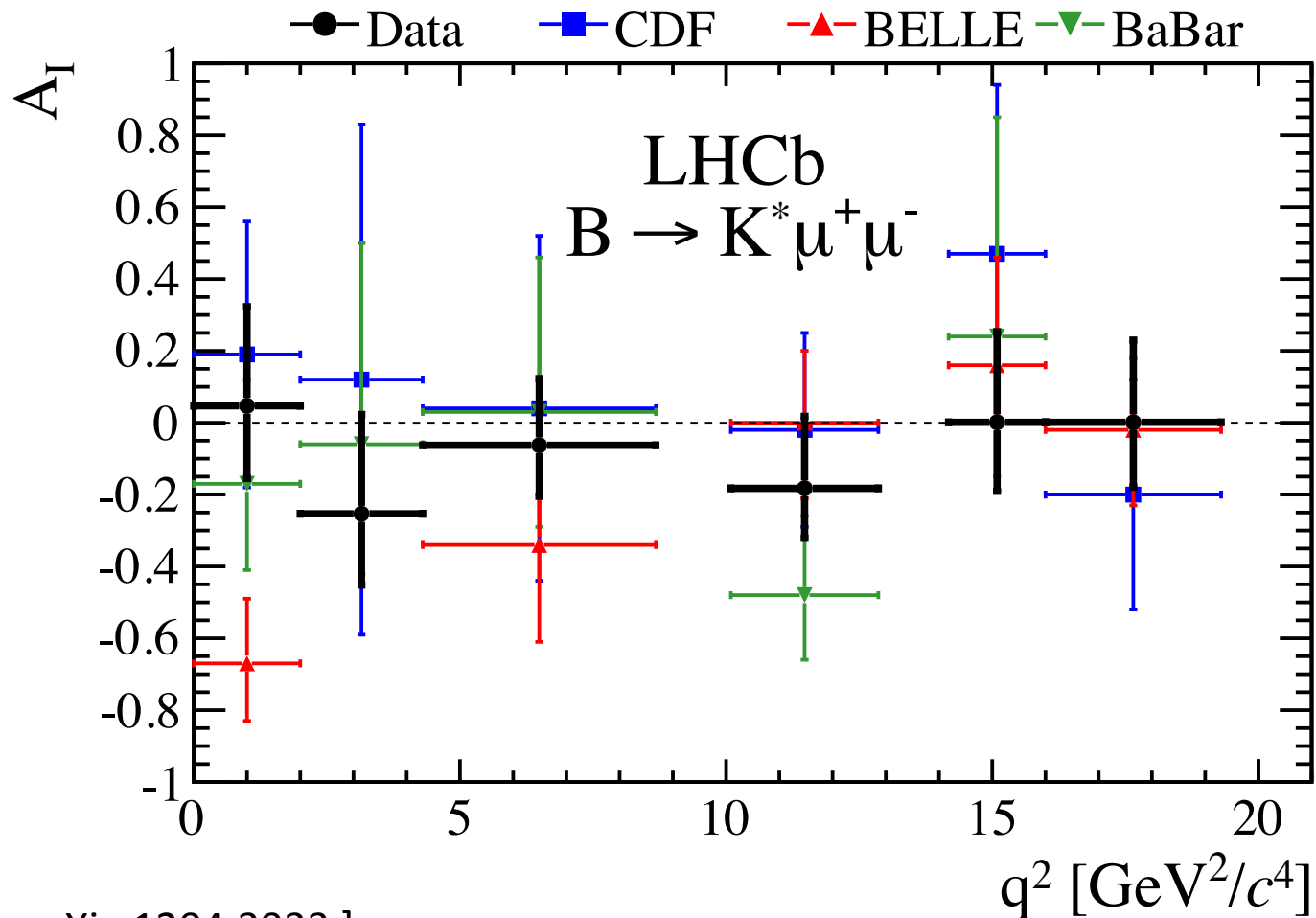
$$\text{Total BF} = (1.16 \pm 0.19) \times 10^{-6}$$

$B \rightarrow K^* \mu^+ \mu^-$ A_I



Theory from Bobeth/Hiller/van Dyk

$B \rightarrow K^* \mu^+ \mu^-$ A_I

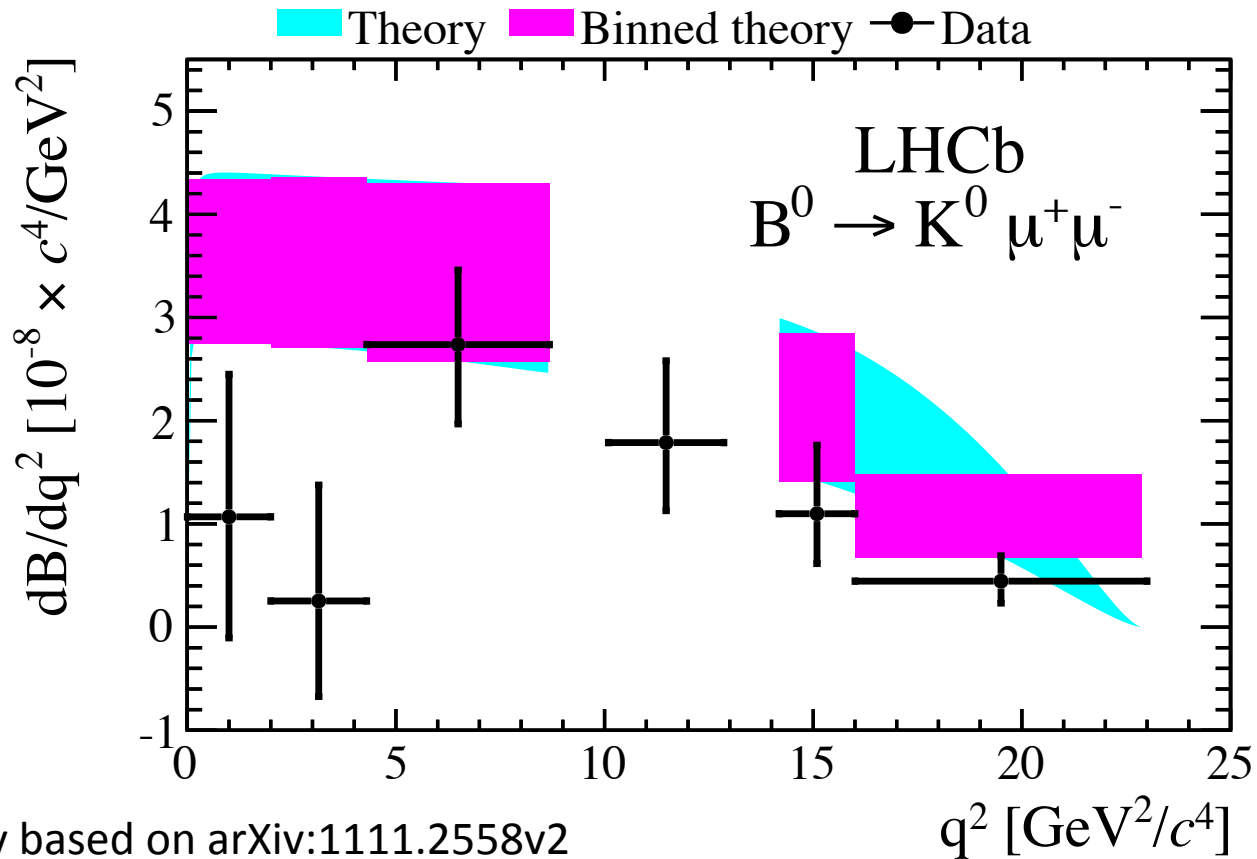


[Babar, arXiv:1204.3933]

[BELLE, arXiv:0804.4770]

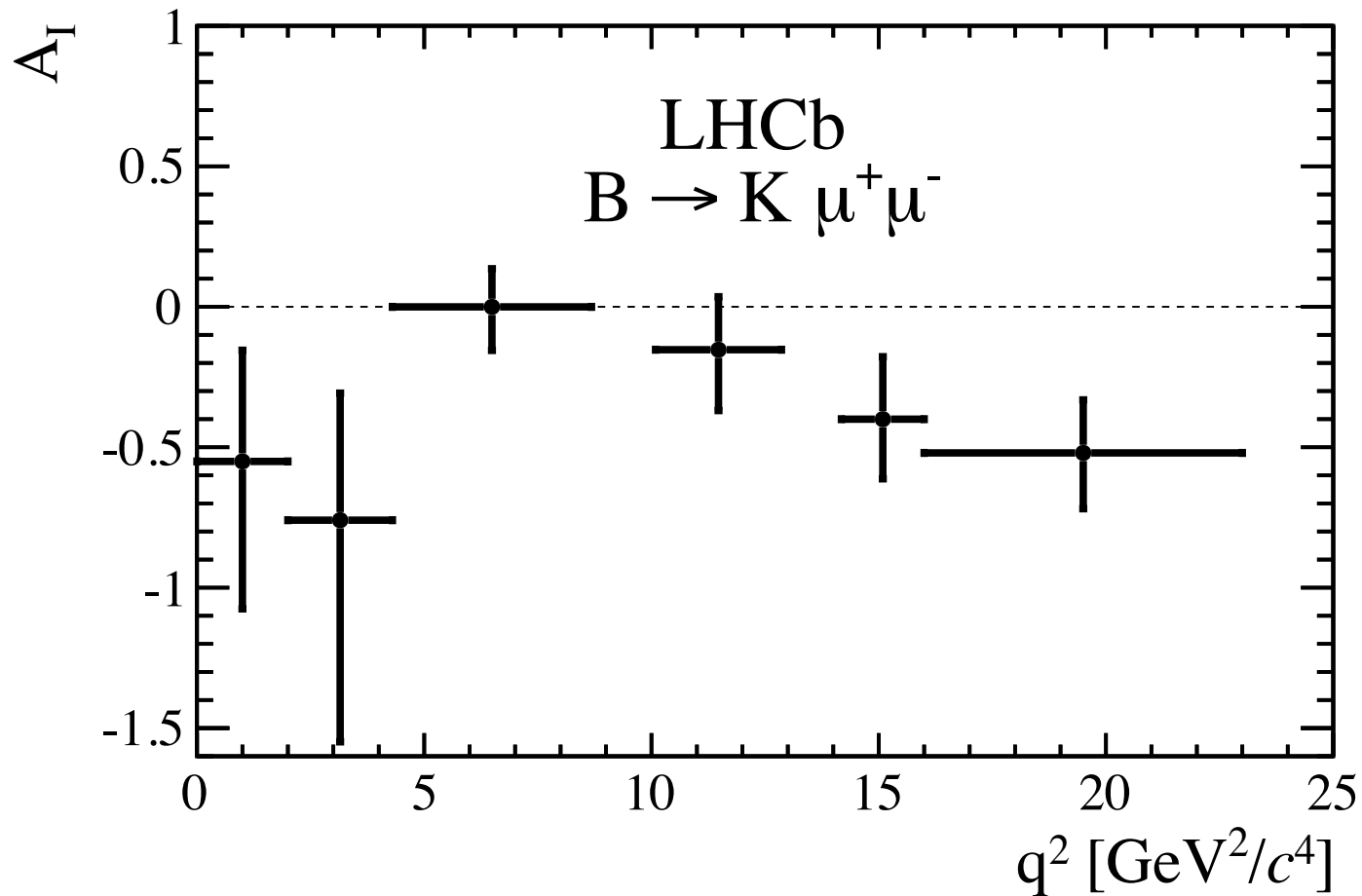
[CDF, arXiv:1204.3933]

$B^0 \rightarrow K^0 \mu^+ \mu^-$ BF

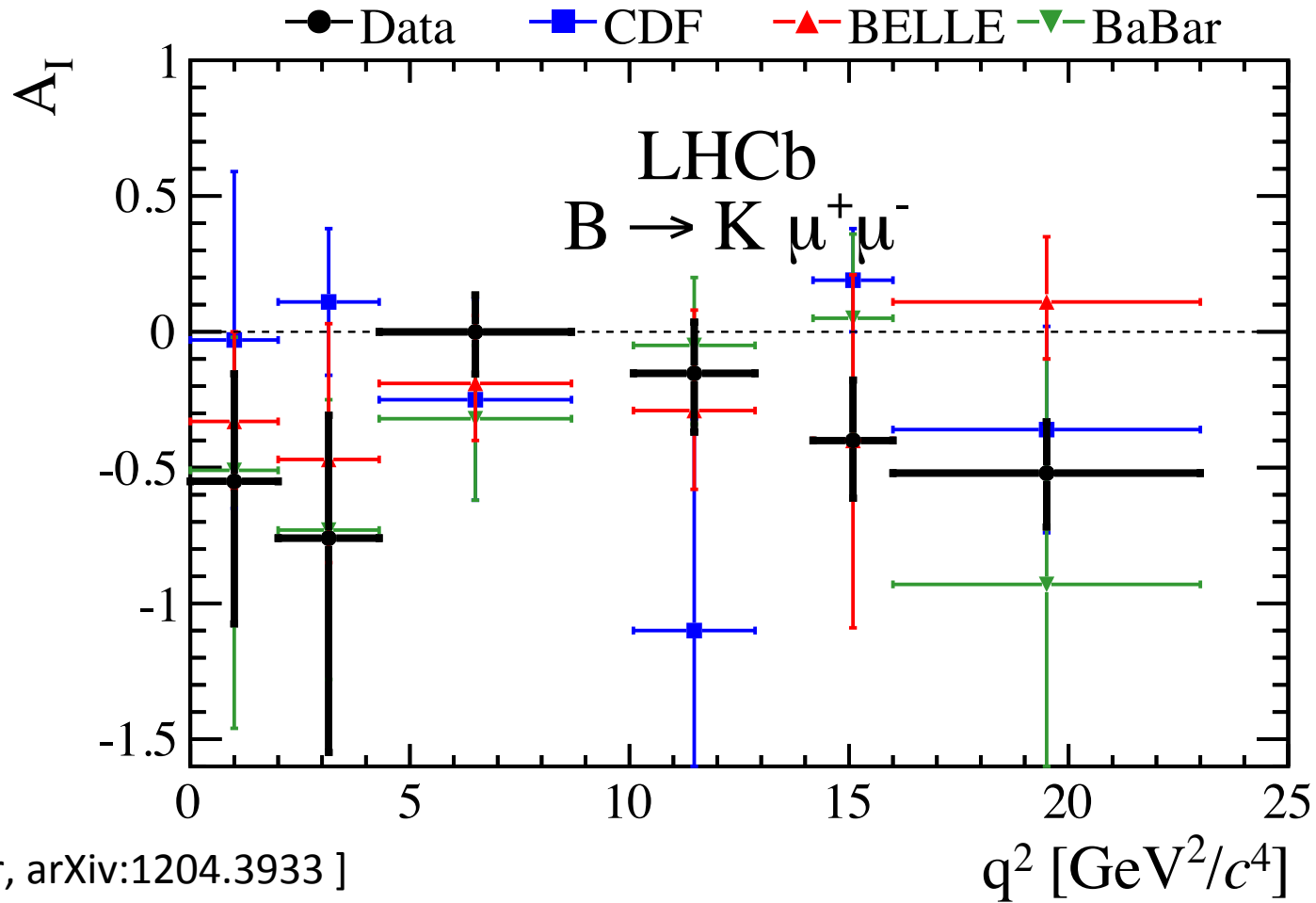


$$\text{Total BF} = (0.31^{+0.07}_{-0.06}) \times 10^{-6}$$

$B \rightarrow K \mu^+ \mu^- A_I$



$B \rightarrow K \mu^+ \mu^- A_I$



[Babar, arXiv:1204.3933]

[BELLE, arXiv:0804.4770]

[CDF, arXiv:1204.3933]