

A large unexpected effect

LHCb has finally managed to do a proper analysis of the final states in $B_s^0 \rightarrow J/\psi\phi$. A large CP-asymmetry is seen and now John and Jane, who performed large part of the analysis are trying to understand this. They run over some of the other things that have been seen before in this sector like the very old $\Delta I = 1/2$ -rule and the fact that everyone else seems to be convinced that CP is broken at the weak scale. They are also somewhat surprised at the really excited reaction they got from their supervisor when he was shown the result.