

The Final Measurement of ϵ'/ϵ from the KTeV Experiment

Thursday, 30 July 2009 14:00 (30 minutes)

We will present the final measurement of the direct CP violation parameter, $\text{Re}(\epsilon'/\epsilon)$, from the KTeV experiment at Fermilab. We will also describe precision measurements of the KL -KS mass difference, Δm , the KS lifetime, τ_S , and the CPT tests, ϕ_{+-} and $\Delta\phi$. These results are based on the full dataset collected by the KTeV experiment at Fermi National Accelerator Laboratory during 1996, 1997, and 1999.

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