

## 2018 update of $\varepsilon_K$ with lattice QCD inputs

*Friday, July 27, 2018 3:00 PM (20 minutes)*

We report recent progress in determining  $\varepsilon_K$ , the indirect CP violation parameter in the neutral kaon system, calculated using lattice QCD inputs including  $B_K$ ,  $\xi_0$ ,  $\xi_2$ ,  $V_{us}$ ,  $V_{cb}$ , and  $m_c(m_c)$ . In this report, various other input parameters such as  $m_t(m_t)$  have also been updated recently.

**Primary author:** Prof. LEE, Weonjong (Seoul National University)

**Co-authors:** Dr LEEM, Jaehoon (Seoul National University); BAILEY, Jon (FNAL); Dr PARK, Sungwoo (Seoul National University); Mr LEE, Sunkyu (Seoul National University); Dr JANG, Yong-Chull (Brookhaven National Laboratory)

**Presenter:** Prof. LEE, Weonjong (Seoul National University)

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