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## Momentum transfer dependence of kaon semileptonic form factor on $(10 \text{ fm})^4$ at the physical point

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We present our results for the kaon semileptonic form factors using the two sets of the PACS10 configuration, whose physical volumes are more than  $(10 \text{ fm})^4$  at the physical point. The lattice spacings are 0.063 and 0.085 fm. The configurations were generated using the Iwasaki gauge action and  $N_f = 2 + 1$  stout-smearred nonperturbatively  $O(a)$  improved Wilson quark action. From the momentum transfer dependence of the form factors in the continuum limit, we evaluate the slope and curvature for the form factors at the zero momentum transfer. Furthermore, we calculate the phase space factor, which is used to obtain  $|V_{us}|$  through the kaon semileptonic decay. These results are compared with previous lattice results and experimental values.

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