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Chiral properties of light mesons in the $N_f = 2 + 1$ overlap OCD

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We summarize the project of the light meson spectrum with $N_f=2+1$ overlap fermions by JLQCD and TWQCD.

We study the finite size effect by directly comparing results from two different lattice volumes. Through the chiral extrapolation carried out with additional data points with $m_{ud} = m_s$, we test the prediction of chiral perturbation theory.

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talk

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