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Pi_0 transition form factor in coordinate space

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We investigate the lattice calculation of pi_0 transition form factor in coordinate space, which is relevant to hadronic light-by-light (HLbL) scattering in the muon g-2. I will describe how we construct the coordinate space formulation of the pion transition form factor. I will present preliminary results for the form factor computed on a physical pion mass, 24^3, 1.0 GeV, 2+1 flavor Mobius-DWF ensemble generated by the RBC/UKQCD collaboration.

Primary author: Dr JIN, Luchang (BNL)

Co-authors: TU, Cheng (University of Connecticut); BLUM, Thomas (University of Connecticut)

Presenter: TU, Cheng (University of Connecticut)

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