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Pion form-factors from lattice: toward the continuum limit[1] PETER PETRECZKY, Brookhaven National Laboratory, GAO XIANG, Brookhaven National Laboratory and Tsinghua University, NIKHIL KARTHIK, Jefferson Lab, SWAGATO MUKHERJEE, Brookhaven National Laboratory, SERGEY SYRITSYN, RIKEN-BNL and Stony Brook University, YONG ZHAO, Brookhaven National Laboratory — We will present lattice results in 2+1 flavor QCD on the pion formfactor in a wide range of momentum transfer using staggered sea quarks with improvedclover quarks in the valance sector. Our study uses three lattice spacings, a=0.076fm, 0.06fm, and 0.04fm, and two pion masses, a pion mass of about 300 MeV and the physical pion mass. This allows us to control the continuum limit as well as the quark mass effects.

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