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Large volume calculation of pion-pion scattering phase shifts with the stochastic LapH method on an $N_f = 2 + 1$ anisotropic clover lattice

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Results for pion-pion scattering phase shifts using the stochastic LapH method on a single $N_f = 2 + 1$ anisotropic clover lattice with $m_\pi \equiv 240\text{MeV}$ and $L \equiv 3.8\text{fm}$ will be presented. In particular, for $I = 1$ this large volume enables good resolution of the ρ resonance shape. Prospects for the other isospin channels will also be discussed.

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