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Pion-pion interaction from $N_f = 2+1$ simulations using the stochastic LapH method

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We present results on pion-pion scattering in the isovector channel from $N_f = 2+1$ CLS simulations with open temporal boundary conditions and $m_\pi = 280$ MeV. The required correlation functions are computed using the stochastic LapH method that facilitates large-volume calculations in order to maintain $m_\pi L > 4$. Mapping out the ρ resonance structure is a necessary step towards the extraction of the timelike pion form factor.

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