pi-pi, K-pi and K-K interactions from lattice QCD ANDRE WALKER-LOUD, College of William and Mary, NPLQCD COLLABORATION — I will discuss recent lattice calculations of the I=2 pi-pi, I=3/2 K-pi and I=1 K-K scattering processes from the NPLQCD Collaboration. Combined with chiral perturbation theory, these hadron interaction processes can be used to make precise determinations of the corresponding scattering lengths and the Gasser-Leutwyler coefficients which contribute to these interactions.

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