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Lattice Measurement of the Delta I=1/2 Contribution to Standard Model Direct CP-Violation in K->pi pi Decays at Physical Kinematics: Part II

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In continuation of part I, I will discuss our use of all-to-all propagators in order to construct pi-pi operators with reduced coupling to the vacuum, which helps to reduce the noise in the K->pipi(I=0) decay amplitude. I will also present preliminary results for the pipi(I=0) phase shift, decay amplitude A_0, both with physical kinematics. The precise value of A_0, once computed, will provide the measure of direct CP-violation epsilon prime, on the lattice.

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