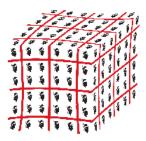
## Lattice2010



Contribution ID: 153 Type: not specified

## Calculatin of $\rho$ meson decay width from the PACS-CS configurations

Tuesday, 15 June 2010 09:10 (20 minutes)

We present our results of the  $\rho$  meson decay width estimated from the scattering phase shift for I=1 two pion system. Calculations are carried out with  $N_f=2+1$  gauge configurations previously generated by the PACS-CS Collaboration with the Iwasaki gauge action and nonperturbatively O(a)-improved Wilson fermion at  $m_\pi/m_\rho=0.46$  on  $32\times 64$   $(La=2.9\,fm)$ . The finite size method presented by Rummukainen and Gottlieb is employed to evaluated the scattering phase shift from energy eigenvalues.

## Please, insert your presentation type (talk, poster)

talk

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