Contribution ID: **80** Type: **not specified**

Radiative decay results from KTeV

Tuesday, 22 May 2007 15:50 (20 minutes)

The KteV experiment has carried out a broad program of studies of rare kaon decays. In this talk we present results on KL-> pi0 gamma gamma, KL-> pi0 e+ e- gamma and KL-> pi+ e- nu e+ e- . These decays provide a window for testing chiral perurbation theory at O(p^6). We find BR(KL-> pi0 pi0 gamma)= (1.30 +/- 0.03 +/- 0.04)E-6, BR(KL-> pi0 e+ e- gamma)= (1.9 +/- 0.16 +/- 0.12)E-8, and BR(KL-> pi+ e- nu e+ e-)= (1.281 +/- 0.041)E-5. The KTeV measurements are competitive with or better than the world's best results in these decays.

Presenter: Prof. CHEU, Elliott (Arizona University)

Session Classification: Session II

Track Classification: Non leptonic/ radiative decays