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Recent results from KLOE

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In this talk I will report the recent results on K mesons from the KLOE experiment at the DAFNE e+e- collider working at a center of mass energy $\sim 1\text{GeV}$. The talk is focused on the V_{us} determination, the unitarity of the first row of the CKM matrix and the related experimental measurements. Tests of lepton universality from K_{l2} and K_{l3} decays will be also discussed. I will present tests of quantum coherence related to CPT violation performed by studying the time evolution of the kaon system.

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Classification de Session: K physics, CP , neutrinos