

T.C. İSTANBUL TEKNİK ÜNİVERSİTESİ FEN EDEBİYAT FAKÜLTESİ FİZİK MÜHENDİSLİĞİ BÖLÜMÜ MASLAK 34469 İSTANBUL

İTÜ Fizik Mühendisliği Bölümü Bölüm Seminerleri

Konuşmacı: Prof. Dr. Kai-Feng Chen (National Taiwan University)

Konuşma Başlığı: Measurement of B_{s,d} to mu+mu- decays at CMS

Konuşma Özeti

The measurement of the Bs to mu+mu- branching fraction and effective lifetime, and a search for the decay B_0 to mu+mu- will be presented. The analysis uses a data sample of pp collisions accumulated by the CMS experiment during LHC Run-1 and 2016. The branching fractions are determined by measuring the event yields relative to B+ to J/psi K+ decays with a reduction of the systematic uncertainties. The decay Bs to mu+mu- has reached 5 sigma discovery significance, and the associated effective lifetime has been measured for the first time at CMS.

Referansiar: https://www.nature.com/nature/journal/v522/n7554/full/nature14474.html

Kısa özgeçmiş

Physics Society of ROC Ph.D. thesis prize (2005), IUPAP Young Scientist Prize (2008), Foundation for the Advancement of Outstanding Scholarship Award (2010), Ta-You Wu Memorial Award (2012), GoldenJade Young Scientist Prize (2014)

Experimental High Energy Physics CMS Experiment at CERN, Geneva, Switzerland (since 2006), E391a Experiment at KEK, Tsukuba, Japan (since 2005), Belle Experiment at KEK, Tsukuba, Japan (since 1998) https://www.phys.ntu.edu.tw/webeng/member/main1.aspx?mem_id=163

Yer İTÜ Fizik Mühendisliği Bölümü Seminer Salonu (FEB L1 Z___)

Zaman 08 Kasım 2019 Cuma

15.00 (14.45 Çay- Kahve İkram servisi)