

YU Intae

Professor
Department of Physics



•Office 31104, Science Building 1, Sungkyunkwan University (SKKU) Natural Sciences Campus,
 2066 Seobu-ro, Jangan-gu, Suwon, Gyeonggi-do, Republic of Korea
•Phone 82-31-290-7052 **•Website** ihep4.skku.ac.kr
•E-mail intaeyu@skku.edu **•Social Media**

Key Words Particle Physics, LHC, CERN, Particle Detector, Top Physics, Exotic Physics, Neutrino Physics

Research Area Particle Physics Experiment

Education

- 1996 PhD Yale University, New Haven, USA
- 1989 MSc Seoul National University, Korea
- 1987 BSc Seoul National University, Korea

Experience

- 2009~2010 Visiting Scientist, Fermi National Accelerator Lab, USA
- 2005~2006 Visiting Scientist, Fermi National Accelerator Lab, USA
- 1998~Present Professor, Department of Physics, Sungkyunkwan University
- 1996~1998 Postdoctoral Researcher at Fermi National Accelerator Lab, USA

Position

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Selected Publication

- “Observation of Top Quark Production in pp Collisions with the Collider Detector at Fermilab”, Physical Review Letters 74 (14): 2626-2631, 1995.
- “Observation of Bs0-Bs0bar Oscillation Frequency”, Physical Review Letters 97, 062003, 2006.
- “A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider”, Science 338, 1569, 2012.
- “Evidence for the direct decay of the 125 GeV Higgs boson to fermions”, Nature Physics 10, 557-560, 2014.
- “Observation of the rare Bs0 -> mu+mu- decay from the combined analysis of CMS and LHCb data”, Nature, 14474, 2015.
- “Measurement of the differential cross section for top quark production in pp collisions at sqrt{s}=8TeV”, European Physical Journal C 75, 542, 2015.
- “Measurement of the cross section ratio sigma_ttbb/sigma_ttjj in pp collisions at sqrt{s}=8 TeV”, Physics Letter B 746, 132, 2015.
- “Observation of electron-antineutrino disappearance at RENO”, Physical Review Letters 108, 191802, 2012.

Others

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