Curriculum Vitae: Youen Kang (For LHCb Internal Use Only)

Personal info

- Date of birth: May 21^{st}, 1997
- Phone: +86-13020025802
- E-mail: 1292253713@qq.com
- Address: Liuqing Building #819, Tsinghua University, Beijing 100084, China

Education

Tsinghua University, Beijing, China 2019.09 – now

PhD. in Department of Engineering Physics (DEP)

Tsinghua University, Beijing, China 2015.09 – 2019.06

B.S. in Department of Engineering Physics (DEP)

Korean Advanced Instatute of Sci. and Tech. (KAIST), Daejeon, Korea 2017.08 – 2017.12

Exchange student in Department of Nuclear and Quantum Engineering

CERN, Geneva, Switzerland 2018.07 – 2018.09

Summer student

Analysis

1. Multiplicity dependence of $\sigma_{\psi(2S)}/\sigma_{J/\psi}$ in pp collisions at $\sqrt{s} = 13$ TeV.
   - **Status**: Done and submit to JHEP
   - **Arxiv No.**: 2312.15201
   - **gitlab** (writer and maintainer): https://gitlab.cern.ch/lhcb-ift/psi2s_over_jpsi_vs_mul_pp13tev
   - **TwikiPage**: https://twiki.cern.ch/twiki/bin/viewauth/LHCbPhysics/Psi2StoJpsiRatio13TeVpp
2. Multiplicity dependence of $\sigma_{\psi(2S)}/\sigma_{J/\psi}$ in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV.
   - **Status**: Done and going to WG review
   - **Arxiv No.**: none
   - **gitlab** (writer and maintainer): https://gitlab.cern.ch/lhcb-ift/psi2s_over_jpsi_vs_mul_p_pb8tev
   - **TwikiPage**: https://twiki.cern.ch/twiki/bin/viewauth/LHCbPhysics/Psi2StoJpsiRatio8TeVpPb

Conference Talks

- ""Multiplicity dependence of psi(2S) to J/psi production ratio in pp collisions", 107th LHCb Week, 2023.3.2, Online.
- "Heavy quarkonium production in heavy-ion collisions in LHCb", The 9th China LHC Physics Workshop, 2023.11.16-20, ShangHai.
- "Multiplicity dependence of psi(2S) to J/psi production ratio in pp collisions in LHCb", The 15th Workshop on QCD Phase Transition and Relativistic Heavy-Ion Physics, 2023.12.15-19, ZhuHai.

Skills

- Programming languages: C++, Matlab, python, and a little R, SPSS
- Main courses taken in college: Calculus, Linear algebra, Theory of stats.&Prob., Numerical analysis, General Physics, Quantum Physics, Particle Physics, etc.
- Working languages: English, Chinese