16601164820 | anying@pku.edu.cn Beijing 1994-09

EDUCATION

2017年09月 - 2022年06月
Beijing
2019年10月 - 2020年11月
Geneva
2013年09月 - 2017年06月
Wuhan

Vector boson scattering Zy

Contact person

Using data collected with CMS detector at the LHC collider, make use of the feature of the vector bonson scattering (VBS) process to find the qualified events from VBS Zy. The data-driven method is used to estimate the mis-identified photon that usually from the jets. Be responsible for the cordination with different groups and edition of the documentation.

VBS Wy	2020年10月 - 至今
Join in	Beijing
Work on building the analysis framwork.	
VBS ZZ	2019年10月 - 2020年09月
	C

Join in

Loop-induced ZZ production can be enhanced by the large gluon flux at the LHC, and thus should be taken into account in relevant experimental analyses. We present for the first time the results of a fully exclusive simulation based on the matrix elements for loop-induced ZZ+0,1,2-parton processes at leading order, matched to parton showers.

PUBLICATIONS

Loop-induced ZZ

Phys. Rev. D 102, 116003 (2020), arxiv.2006.12860

VBS Zy

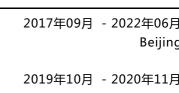
Will be published on June or July in Phys. Rev. D

CONFERENCE

The XXVIII DIS international workshop	2021年04月
Oral presentation, Recent VBS results from CMS	Online
Standard Model at the LHC 2021	2021年04月 - 2021年04月
Oral presentation, electroweak production of $Z\gamma$ and two jets at 13 TeV and constraints on EFTs	Online
2020 LHCC winter meeting	2020年02月
Poster, Measurement of the cross section and constraints on anomalous quartic couplings from VBS Zγ with CMS detector	Geneva
2019 China CMS Workshop	2019年06月
Oral presentation, VBS Zy results	Zhongshan
Detector upgrade seminar at LHC Physics	2018年06月
Oral presentation, GEM simulation for the upgrade	Weihai
MISCELLANEOUS	

Skills: C++, Python, root

Languages: English (fluent), French (general)



2018年09月 - 至今 Beijing (Geneva)

Geneva