

安莹

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Beijing
1994-09

EDUCATION

Peking University School of Physics, PhD student Supervised by Prof. Yajun Mao and Qiang Li	2017年09月 - 2022年06月 Beijing
CERN Working for CMS experiment	2019年10月 - 2020年11月 Geneva
Wuhan University School of Physics, Bachelor's degree	2013年09月 - 2017年06月 Wuhan

RESEARCHES

Vector boson scattering $Z\gamma$ Contact person Using data collected with CMS detector at the LHC collider, make use of the feature of the vector boson scattering (VBS) process to find the qualified events from VBS $Z\gamma$. The data-driven method is used to estimate the mis-identified photon that usually from the jets. Be responsible for the coordination with different groups and edition of the documentation.	2018年09月 - 至今 Beijing (Geneva)
VBS $W\gamma$ Join in Work on building the analysis framework.	2020年10月 - 至今 Beijing
VBS ZZ 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.	2019年10月 - 2020年09月 Geneva

PUBLICATIONS

Loop-induced ZZ
Phys. Rev. D 102, 116003 (2020), arxiv.2006.12860

VBS $Z\gamma$
Will be published on June or July in Phys. Rev. D

CONFERENCE

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

MISCELLANEOUS

- **Skills** : C++, Python, root
- **Languages** : English (fluent), French (general)