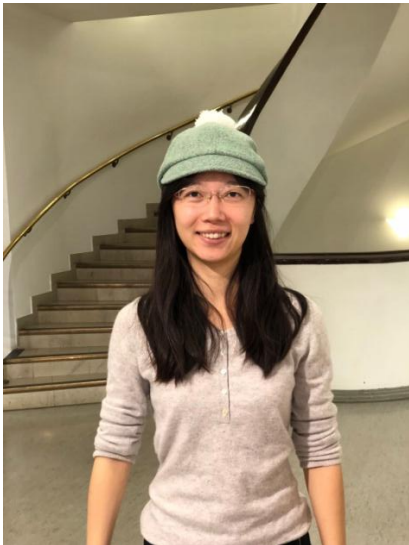




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Research Focus



研究领域

粒子物理, 大型强子对撞机 CMS 实验:

- 1、希格斯粒子性质研究
- 2、新物理寻找
- 3、硬件升级

1. Higgs properties
2. Search for new physics
3. Hardware upgrade

Representative Publications



代表出版物

1. Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. JHEP 06 (2018) 127
2. Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Phys.Lett. B775 (2017) 1-24.
3. Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s}=13$ TeV. JHEP 11 (2017) 047.
4. Constraining anomalous Higgs boson couplings to the heavy flavor fermions using matrix element techniques. Phys. Rev. D 94 (2016) 055023.
5. Combined search for anomalous pseudoscalar HVV couplings in $VH(H \rightarrow bb^-)$ production and $H \rightarrow VV$ decay. Phys.Lett. B759 (2016) 672-696
6. Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV, Phys.Rev. D92 (2015) 012004.
7. Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Phys.Lett. B736 (2014) 64-85