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Type: **Plenary Talk**

New results from searches with highly boosted Higgs and vector bosons (20'+10')

Thursday, July 25, 2019 5:00 PM (30 minutes)

We present new results from searches for beyond-the-standard model physics with highly boosted Higgs and vector bosons in the final state. The talk summarizes the use of large-radius jets and substructure techniques used for the reconstruction and identification of fully-merged hadronic decays of these particles. New techniques to estimate the standard model backgrounds are discussed. The searches cover a variety of models, such as two-Higgs-doublet models or generic heavy resonances decaying to bosons.

Presenter: LI, Qiang (Peking University (CN))

Session Classification: Session