Charged lepton flavor violation at the EIC

EIC
DOI:10.1007/JHEP03(2021)256

Vincenzo Cirigliano, Kaori Fuyuto, Christopher Lee, Emanuele Mereghetti and Bin Yan

events in a likelihood analysis using pyhf [71–73],

E-mail: cirigliano@lanl.gov, kfuyuto@lanl.gov, cleew@lanl.gov, emereghetti@lanl.gov, binyan@lanl.gov

Lepton flavor violation and dilepton tails at the LHC

Andrei Angelescu[1,a], Darius A. Faroughy[2,b], Olcyr Sumensari[3,4,c]
[1] De
[2] Ph
[3] Di
[4] Ist

sonian distributions. The 95% confidence level (CL) upper limits were extracted using the CL_s method [48] with the pyhf package [49]. For High Luminosity (HL) projections,

LHC BSM DOI:10.1140/epjc/s10052-020-8210-5

Sensitivity of future hadron colliders to leptoquark pair production in the di-muon di-jets channel

FCC
DOI:10.1140/epjc/s10052-020-7722-3

B. (
[1] D
[2] Th

value of μ at which $CL_s = 0.05$. We compute the CL_s values using pyhf [64], a Python implementation of HistFactory [65]. By comparison with the theoretical

nark

How to discover QCD Instantons at the LHC

Simone Amoroso[1], Deepak Kar[2], Matthias Schott[3,a]

signal region selection are used to perform a counting experiment using the pyhf package [56]. The systematic uncer-

LHC QCD DOI:10.1140/epjc/s10052-021-09412-1

Search for $B^+ \to K^+ \nu\bar{\nu}$ Decays Using an Inclusive Tagging Method at Belle II

F. At
D. M
S. Ba

statistical analysis to determine the signal yields is

ıh Ky,[34,12]
ınerjee,[103]
ertemes,[30]

ned with the PYHF package [43,44], which constructs

E. Bertholet,[] M. Bessner,[] S. Bettarini,[] F. Bianchi,[] T. Bilka,[] D. Biswas,[] A. Bozek,[] M. Bračko,[105,78]

μ-Collider DOI: 10.1007/JHEP06(2021)133

Hunting wino and higgsino dark matter at the muon collider with disappearing tracks

Rodolfo Capdevilla,[a,b] Federico Meloni,[c] Rosa Simoniello[d] and Jose Zurita[e]

Search for chargino–neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector

Belle-II
DOI:10.1103/PhysRevLett.127.181802

the results from the signal regions of the contributing searches, which The combination is implemented in the pyhf framework [171, 172], v

The ATLAS Collaboration

ATLAS
arXiv:2106.01676

[a] The pyhf software package [94, 95] was used

[b] ıe expected discovery p-value and to set limits