

A Bibliography of Publications

The following bibliography is selected from Qiuguang Liu's larger corpus of published scholarship. The selection here focuses on writings of which Liu is a main author. Preprints, papers in preparation, and internal notes that are written by Liu are also included. Liu has been a member of the CDF collaboration from 2009 to present, and of the BES3 collaboration from 2006 to 2008. A full list of Liu's publication can be found at Inspire.

Published Papers

T. Aaltonen *et al.* (CDF Collaboration), **Updated search for the standard model Higgs boson in events with jets and missing transverse energy using the full CDF data set**, arXiv:1301.4440, accepted by Physics Review D.

T. Aaltonen *et al.* (CDF Collaboration), **Search for the Standard Model Higgs Boson Decaying to a $b\bar{b}$ Pair in Events with No Charged Leptons and Large Missing Transverse Energy using the Full CDF Data Set**, Phys. Rev. Lett. 109, 111805 (2012)

T. Aaltonen *et al.* (CDF Collaboration), **Search for a Dark Matter Candidate Produced in Association with a Single Top Quark in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV**, Phys. Rev. Lett. 108, 201802 (2012)

T. Aaltonen *et al.* (CDF Collaboration), **Search for New T' Particles in Final States with Large Jet Multiplicities and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV**, Phys. Rev. Lett. 107, 191803 (2011)

Liu, Qiuguang *et al.*, **Track reconstruction using the TSF method for the BESIII main drift chamber**, Chinese Physics C, 32, Number 7 (2008)

Preprints

Marco Bentivegna, Qiuguang Liu, Fabrizio Margaroli, Karolos Potamianos, **Detection of invisible particles at hadron collider experiments through the magnetic spectrometer**, arXiv:1205.4470 (2012), submitted to Nuclear Instruments and Methods in Physics Research.

Papers in Preparation

T. Aaltonen *et al.* (CDF Collaboration), **Measurement of Diboson Production in Events with Jets and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV**, aim for Physics Review D.

T. Aaltonen *et al.* (CDF Collaboration), **Invariant Mass Distribution of Jet Pairs Produced in Association with a W/Z boson in $p\bar{p}$ Collisions at CDF**, aim for Physics Review D.

Internal Notes (CDF collaboration)

Search for a dijet resonance in events with jets and missing transverse energy in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV (2013)

Search for the standard model Higgs boson in the missing transverse energy and b -jets signature with full CDF dataset using HOBIT (2012)

Study the dijet mass distribution in jets and missing transverse energy with full CDF dataset (2012)

Search for the standard model Higgs boson in the missing transverse energy and b -jets signature with

full CDF dataset (2012)

Search for a dark matter candidate produced in association with a single-top quark (2011)

Search for dijet excess in jets and missing transverse energy signature (2011)

Search for the standard model Higgs boson in the missing transverse energy and b -jets signature in 7.8 fb^{-1} (2011)

Search for dark matter candidate in top-quark pair plus missing transverse energy signature (2011)

Background estimation in the missing transverse energy and b -jets signature (2011)

Measurement of the top-quark pair production in the missing transverse energy and b -jets signature in 5.7 fb^{-1} (2011)

Search for the standard model Higgs boson in the missing transverse energy and b -jets signature in 5.7 fb^{-1} (2010)

Search for the standard model Higgs boson in the missing transverse energy and b -jets signature in 3.6 fb^{-1} (2009)

Everything you wanted to know on the missing transverse momentum (2008)