WORKSHOP tau lepton decays: hadronic currents from Belle BaBar data and LHC signatures

Monday, 14 May 2012 - Saturday, 19 May 2012

Institute of Nuclear Physics, Cracow

Book of Abstracts

Contents

0

Introduction

Corresponding Author: z.was@cern.ch

1

RChL currents in Tauola: implementation and fit parameters

Corresponding Author: olga.shekhovtsova@lnf.infn.it

2

Resonace Chiral Lagrangians and hadronic currents theoretical uncertainty

Corresponding Author: proig@ifae.es

3

Using spin of tau to constrain hard interactions.

Author: Zbigniew Andrzej Was[1]

[1] *Polish Academy of Sciences (PL)*

Corresponding Author: z.was@cern.ch

4

TauSpinner and its application to data analysis

Corresponding Author: zofia.czyczula@cern.ch

5

2HDM(II) radiative corrections in leptonic tau decays

Corresponding Author: maria.krawczyk@fuw.edu.pl

6

LFV at LHCb

Corresponding Author: marcin.jakub.chrzaszcz@cern.ch

7

title

8

(N)NLL+(N)NLO QCD predictions and QED FSR for a novel variable which probes the low Z pT domain

Corresponding Author: thi.kieu.oanh.doan@cern.ch

9

Measurement of polarization in B to D^* tau nu decays

10

Tau reconstruction and identification at CMS

Corresponding Author: vladimir.cherepanov@cern.ch

11

Tau identification and recosntruction at ATLAS

Corresponding Author: martin.flechl@cern.ch

12

Physics searches with tau leptons at ATLAS

Corresponding Author: stan.lai@cern.ch

13

title

14

Advanced analysis methods: today and tomorrow

Corresponding Author: marcin.wolter@cern.ch

15

Software organization of the projects related to TAUOLA

Corresponding Author: tomasz.przedzinski@cern.ch

16

Confronting Theoretical Models with Experimental Data - Perspectives on tauˆ- to hˆ- hˆ- hˆ+ nu

Corresponding Author: inugent@uvic.ca

17

Belle pion form factor in tauola

18

What next?

Corresponding Author: z.was@cern.ch

19

Introduction

Author: Zbigniew Andrzej Was[1]

[1] *Polish Academy of Sciences (PL)*

20

CMS searches using tau leptons, including HIggs and SUSY

Corresponding Author: artur.kalinowski@cern.ch

21

to be announced or cancelled