

2020 Belle II Physics Week

Monday 30 November 2020 - Friday 4 December 2020

Book of Abstracts

Contents

Introduction to amplitude analyses	1
Semileptonic B decays (1)	1
Amplitude analysis theory	1
Semileptonic B decays (2)	1
Free	1
Tau amplitude analyses (1)	1
How to build an amplitude model	1
Experimental considerations on amplitude analyses	1
Tau amplitude analyses (2)	2
Snowmass White Papers	2
Using MC truth matching in basf2	2
Including systematic uncertainties in upper limit calculations	2
SuperKEKB status and prospects	2
Strong phase difference between D^0 and $D^0\bar{}$ $\rightarrow K_S/L \pi^+ \pi^-$ and the role of model-dependent inputs at BESIII	2
Tests of CPT symmetry in the neutral-meson systems	3
Analysis of $\tau \rightarrow \eta \pi \nu_\tau$ in Belle using B2BII	3
Introduction	3
Discussion	3

Lecture / 2

Introduction to amplitude analyses

Corresponding Author: jonas.rademacker@bristol.ac.uk

Lecture / 4

Semileptonic B decays (1)

Lecture / 5

Amplitude analysis theory

Corresponding Author: c.hanhart@fz-juelich.de

Lecture / 6

Semileptonic B decays (2)

Corresponding Author: kerivos@gmail.com

Lecture / 8

Free

Lecture / 10

Tau amplitude analyses (1)

Corresponding Author: epassema@indiana.edu

Lecture / 11

How to build an amplitude model

Corresponding Author: jonas.rademacker@bristol.ac.uk

Lecture / 12

Experimental considerations on amplitude analyses

Corresponding Author: t.j.gershon@warwick.ac.uk

Lecture / 15

Tau amplitude analyses (2)

Corresponding Author: epassema@indiana.edu

Introduction / 18

Snowmass White Papers

Corresponding Author: thomas.browder@desy.de

Topical seminar / 19

Using MC truth matching in basf2

Corresponding Author: frank.meier@desy.de

Topical seminar / 20

Including systematic uncertainties in upper limit calculations

Corresponding Author: diego.tonelli@desy.de

Topical seminar / 21

SuperKEKB status and prospects

Corresponding Author: kyo.shibata@kek.jp

Informal session / 22

Strong phase difference between D^0 and D^0_{bar} $\rightarrow K^*_S/L \pi^+ \pi^-$ and the role of model-dependent inputs at BESIII

Corresponding Author: anita.lavania@physics.iitm.ac.in

Informal session / 23

Tests of CPT symmetry in the neutral-meson systems

Corresponding Author: agrober@indiana.edu

Informal session / 24

Analysis of tau \rightarrow eta pi nu_tau in Belle using B2BII

Corresponding Author: michel.hernandez.villanueva@desy.de

Introduction / 29

Introduction

Corresponding Author: alessandro.gaz@desy.de

Lecture / 30

Discussion