

The 2022 Conference on Flavor Physics and CP Violation (FPCP2022)

23-27 May 2022
University of Mississippi
America/Chicago timezone

Overview

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Timetable

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Participant List

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Mon 23/05

Tue 24/05

Wed 25/05

Thu 26/05

Fri 27/05

All days

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Session legend

CPV

Charged current B d...

Charm physics

Closeout and announ...

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Mon 23/5

08:00

Registration

Bryant Hall Gallery, University of Mississippi

08:30 - 09:00

09:00

Welcome and announcements

Bryant Hall 209, University of Mississippi

09:00 - 09:15

Sheldon Stone Memorial Presentation

Dr. Tomasz SKWARNICKI

Bryant Hall 209, University of Mississippi

09:15 - 09:45

Anomalies in neutral-current B decays

Dr. Nicola SERRA

10:00

Bryant Hall 209, University of Mississippi

09:45 - 10:15

Theoretical review of rare B decays

Dr. Nazila MAHMOUDI

Bryant Hall 209, University of Mississippi

10:15 - 10:45

Coffee break

Bryant Hall Gallery

10:45 - 11:00

11:00

Anomalies in charged-current B decays

Dr. Ryoutaro WATANABE

Bryant Hall 209, University of Mississippi

11:00 - 11:30

Experimental review of V_{ub}/V_{cb} measurements

Dr. Florian BERNLOCHNER

Bryant Hall 209, University of Mississippi

11:30 - 12:00

12:00

13:00

Lattice calculations of form factors for B mesons

Dr. William JAY

14:00	Bryant Hall 209, University of Mississippi	13:45 - 14:15
	Experimental review of R(D), R(D*)	Dr. Racha CHEAIB
	Bryant Hall 209, University of Mississippi	14:15 - 14:45
	Theoretical overview of CPV and mixing in charm	Dr. Stefan SCHACHT
15:00	Bryant Hall, University of Mississippi	14:45 - 15:15
	Rare charm decays	Dr. Marco DE STEFANIS
	Bryant Hall, University of Mississippi	15:15 - 15:45
	Coffee break	
	Bryant Hall Gallery	15:45 - 16:00
	Review of lattice QCD results for kaons	Dr. Thomas BLUM
16:00	Bryant Hall, University of Mississippi	16:00 - 16:30
	First row CKM unitarity	Dr. Chien Yeah SENG
	Bryant Hall, University of Mississippi	16:30 - 17:00
	Rare kaon decays	Dr. Chieh LIN
17:00	Bryant Hall, University of Mississippi	17:00 - 17:30

Tue 24/5

08:00	Experimental review of exotic states		Dr. Tomasz SKWARNICKI
	Bryant Hall, University of Mississippi	08:30 - 09:00	
09:00	Progress in lattice QCD for exotics		Dr. Nilmani MATHUR
	Bryant Hall, University of Mississippi	09:00 - 09:30	
	Theoretical review of exotic states		Dr. Alessandro PILLONI
	Bryant Hall, University of Mississippi	09:30 - 10:00	
10:00	Coffee break		
	Bryant Hall, University of Mississippi	10:00 - 10:15	
	Measurement of CP-violating phase in bottom baryon decays	Dr. Rahul SINHA	Exotic hadrons at LHCb Dr. Chuangxin LIN
			Bryant Hall 207, University of Mississippi
	CP violation and charmless B decays at Belle II	Dr. Chunhui CHEN	Charmoniumlike states at BESIII William IMOEHL
	Electroweak and radiative penguin decays at Belle II	Dr. Vidya VOBILISETTI	Hadronic D_s decays at BESIII Mr. Zehui LU
			Bryant Hall 207, University of Mississippi
11:00	Reevaluating Uncertainties in $\bar{B} \rightarrow X_s \gamma$	Dr. Ayesha GUNAWARDANA	Measurement of the branching fraction and search for CP violation in $D^0 \rightarrow \dots$ Aman SANGAL
	Rare and Lepton Flavor Non-Universality B decays	Dr. Silvia FERRERES	(Semi-)leptonic D decays at BESIII Dr. Bai-Cian KE
	B decays to charmonia	Mr. Ramon FERNANDEZ	Exploring new physics in Mr. Karthik JAIN

	at LHCb	$D_{(s)}^+ \rightarrow \eta^{(\prime)} \ell \bar{\nu}_\ell$ decays
	FCNC in Concurrent Dark Photon and Dark Z Models <i>Dr. Lopamudra MUKHERJEE</i>	Signatures of generalized ALP interactions in SM decays of mesons <i>Dr. Subhajit GHOSH</i>
12:00		
13:00		
	Semileptonic B decays to excited charm mesons <i>Rusa MANDAL</i>	Mixing and CPV in charm at LHCb <i>Mr. Roberto RIBATTI</i>
14:00	Testing SMEFT with $b \rightarrow c \tau^- \bar{\nu}_\tau$ <i>Dr. David LONDON</i>	Unanswered questions in charmed baryon physics <i>Dr. John YELTON</i>
	Measurement of $B \rightarrow D^{(*)} \tau \nu$, using semileptonic tag and leptonic τ decays with... <i>Mr. Yunxuan LI</i>	Hyperon physics at BESIII <i>Dr. Liang YAN</i> <i>Bryant Hall 207, University of Mississippi</i>
	Probing BSM Physics in $B \rightarrow D^{*+} \ell \bar{\nu}_\ell$ Using Monte ... <i>Mr. Quinn CAMPAGNA</i>	Λ_c^+ decays at BESIII <i>Mr. Yang GAO</i>
	A New Tool for Detecting BSM Physics in $B \rightarrow K^* \ell \ell$ Decays <i>Dr. Alexei SIBIDANOV</i>	Charm lifetime measurements at Belle II <i>Dr. Jake BENNETT</i>
15:00	New physics signature in the decays of B-meson to missing particles <i>Dr. Rusa MANDAL</i>	Measurement of Beam Polarization at an e^+e^- B-Factory with New Tau Pola... <i>Mr. Caleb MILLER</i>
	Coffee break <i>Bryant Hall Gallery</i> 15:15 - 15:30	
	CPV in B decays <i>Daniele MANUZZI</i> <i>Bryant Hall 209, University of Mississippi</i> 15:30 - 16:00	
16:00	CPV in the $B_{(s)}$ system <i>Mr. Marcos ROMERO LAMAS</i> <i>Bryant Hall 209, University of Mississippi</i> 16:00 - 16:30	
	CPV in beauty and charm baryons <i>Dr. John YELTON</i> <i>Bryant Hall 209, University of Mississippi</i> 16:30 - 17:00	
17:00	Experimental review of CPV and mixing in charm <i>Dr. Alan SCHWARTZ</i> <i>Bryant Hall 209, University of Mississippi</i> 17:00 - 17:30	

Wed 25/5

08:00	Experimental review of g-2 <i>Dr. Esra BARLAS YUCEL</i> <i>Bryant Hall 209, University of Mississippi</i> 08:30 - 09:00
09:00	Theory review for hadronic corrections to g-2 <i>Dr. Maarten GOLTERMAN</i>

	Bryant Hall 209, University of Mississippi	09:00 - 09:30
	Review of BSM candidates for g-2	Dr. Luca DI LUZIO
	Bryant Hall 209, University of Mississippi	09:30 - 10:00
10:00	Heavy neutral lepton searches	Dr. Sophie MIDDLETON
	Bryant Hall 209, University of Mississippi	10:00 - 10:30
	Coffee break	
	Bryant Hall Gallery	10:30 - 10:45
	Theory review of charged LFV	Dr. Emilie PASSEMAR
11:00	Bryant Hall 209, University of Mississippi	10:45 - 11:15
	Experimental review of LFV searches	Dr. Villanueva MICHEL
	Bryant Hall 209, University of Mississippi	11:15 - 11:45
12:00		
13:00	Theory review of electric dipole moments	Dr. Maxim POSPELOV
	Bryant Hall 209, University of Mississippi	13:00 - 13:30
	EDM measurements of hadronic states	Mr. Achim ANDRES
	Bryant Hall 209, University of Mississippi	13:30 - 14:00
14:00	Coffee break	
	Bryant Hall, University of Mississippi	14:00 - 14:15
	LFV in B decays at LHCb Dr. Niladri SAHOO	CP-violation search with T2K data Dr. Joseph WALSH
	Bryant Hall 111, University of Mississippi 14:15 - 14:30	
	Update on the Unitarity Triangle global fits by the UFit Collaboration Dr. Mauro VALLI	Precision measurements of PMNS parameters Dr. Ali AJMI
	Bryant Hall 111, University of Mississippi 14:30 - 15:00	Exploring Physics Beyond the Standard Model with MicroBoONE Dr. Yeon-jae JWA
15:00	Simple Rules for Evanescent Operators in One-Loop Basis Transformations Dr. Jacky KUMAR	Determining neutrino mass hierarchy from new physics Dr. Prativa PRITIMITA
	B decay in SMNEFT with massive right-handed neutrinos Dr. Hongkai LIU	A Search for New Physics in the Lepton Sector: Charged Lepton Flavor Violation and the Mu2e Experiment Mete YUCEL
	Quarkophobic W' for LHC searches	Jose RUIZ ALVAREZ
	Bryant Hall 111, University of Mississippi	15:30 - 15:45
	Coffee break	
	Bryant Hall Gallery	15:45 - 16:00
16:00	MicroBoone results and BSM program and a review of short-baseline anomalies	Dr. Giuseppe CERATI
	Bryant Hall 209, University of Mississippi	16:00 - 16:30
	Cosmology, astrophysical neutrinos, and coherent neutrino scattering	Dr. Daniel PERSHEY
	Bryant Hall 209, University of Mississippi	16:30 - 17:00
17:00	Review of neutrino oscillation experiments	Dr. Ryan PATTERSON
	Bryant Hall 209, University of Mississippi	17:00 - 17:30
	Experimental review of $\beta\beta$	Dr. Yury KOLOMENSKY

18:00

Conference Dinner

19:00

20:00

Johnson Commons Ballroom

18:30 - 20:30

Thu 26/5

08:00

Recent dark sector results from accelerator experiments

Dr. Akimasa ISHIKAWA

Bryant Hall 209, University of Mississippi

08:30 - 09:00

09:00

Dark sector in flavor experiments

Dr. Brian SHUVE

Bryant Hall 209, University of Mississippi

09:00 - 09:30

Coffee break

Bryant Hall 209, University of Mississippi

09:30 - 09:45

Review of dark matter detection experiments

Dr. Daniel BAXTER

10:00

Bryant Hall 209, University of Mississippi

09:45 - 10:15

Searching for dark matter at neutrino experiments

Dr. Ali KHEIRANDISH

Bryant Hall 209, University of Mississippi

10:15 - 10:45

Dark matter physics at Muon g-2

Dr. Ryan JANISH

11:00

Bryant Hall 209, University of Mississippi

10:45 - 11:15

Recent results from FASER

Shih-Chieh HSU

Bryant Hall 209, University of Mississippi

11:15 - 11:45

Axions at flavor factories

Dr. Diego REDIGOLO

12:00

Bryant Hall 209, University of Mississippi

11:45 - 12:15

13:00

W mass measurement

Dr. Ashutosh KOTWAL

Bryant Hall 209, University of Mississippi

13:30 - 14:00

14:00

Theory review of W mass measurement and its implications

Dr. Sven HEINEMEYER

Bryant Hall 209, University of Mississippi

14:00 - 14:30

15:00

Excursion to Memphis

16:00

17:00

18:00

19:00

20:00

21:00

22:00

Bryant Hall, University of Mississippi

15:00 - 22:30

Fri 27/5

08:00

Status and prospects for super tau-charm factories

Dr. Hai Ping PENG

Bryant Hall 209, University of Mississippi

08:30 - 09:00

09:00

Status and prospects for FCC-ee

Dr. Radek NOVOTNY

Bryant Hall 209, University of Mississippi

09:00 - 09:30

Status and prospects for future heavy flavor experiments

marina ARTUSO

Bryant Hall 209, University of Mississippi

09:30 - 10:00

10:00

Coffee break

Bryant Hall Gallery

10:00 - 10:15

Future neutrino experiments

Dr. Blair JAMIESON

Bryant Hall 209, University of Mississippi

10:15 - 10:45

Muon campus at FNAL

Dr. Sudeshna GANGULY

11:00

Bryant Hall 209, University of Mississippi

10:45 - 11:15

Status and prospects for neutrino studies at the LHC

Dr. Mario CAMPANELLI

Bryant Hall 209, University of Mississippi

11:15 - 11:45

Closeout and announcement of FPCP2023

Bryant Hall 209, University of Mississippi

11:45 - 12:00

12:00

13:00

14:00

15:00

Masterclass

16:00

Lewis Hall, University of Mississippi

15:00 - 17:00

17:00

