

Belle II Physics Book

Meeting Introduction

Florian Bernlochner (University of Bonn)

Meeting scope

Main goal of today:

- Revise the status of sensitivity plots in the works
 - Brief status report (5'-10') of each code group to summarize exact plans and inputs
- Give B2Tip Conveners and Belle II Physics Conveners + Members opportunity to provide feedback
 - I.e. if something important is missing, this is the moment to speak up
- Gather feedback on what scenarios the final plots should include
 - SM / specific NP points
 - Likely different answers for different plots

Sensitivities Summary

Belle II Physics Book

Sensitivity Summary v.1

Florian Bernlochner (University of Bonn)

Likely some changes will happen here over the course of the next weeks; will keep you posted and establish **version numbers**

<https://docs.google.com/presentation/d/1zmSV-Xok1RijnDtY8VBOoCvh0AlrQynpOwvXd1iXdYc/edit>

The weeks ahead

October:

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10 Today	11	12	13	14	15	16
17	18	19	20	21	22	23
24 Status Meeting #2	25	26	27	28	29	30
31						

November:

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7 Status Meeting #3	8	9	10	11	12	13
14	15 B2Tip workshop (Munich)	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

5 Weeks left prior the editorial meeting of the book

Meeting overview

10:00	→ 10:20	Introduction Speaker: Florian Urs Bernlochner (University of Bonn) Belle II / LHCb Sens...	Introduction	🕒 20m
10:20	→ 10:40	Wilson coefficient scan using rare EW decays / WG2, WG9 / Flavio Speakers: David Straub (Excellence Cluster Universe, Munich), Johannes Albrecht (Technische Universität Dortmund (DE)), Stefanie Reichert (Technische Universität Dortmund)		🕒 20m
10:40	→ 11:00	RH currents, $V_{ub} v V_{cb}$, $R(D/D^*)$, CKM γ, ... / WG1, WG2, WG9 / γCombo ⓘ Speakers: Alison Maria Tully (University of Cambridge (GB)), Florian Urs Bernlochner (University of Bonn (DE)), Matthew William Kenzie (University of Cambridge (GB))		🕒 20m
11:00	→ 11:20	Global CKM Fit and NP in CPV / WG9, ... / CKMFitter Speaker: Phillip Urquijo (University of Melbourne (AU))		🕒 20m
11:20	→ 11:40	Global CKM fit and NP in CPV / WG9, ... / UTFit Speaker: Marcella Bona (Queen Mary University of London (UK))		🕒 20m
11:40	→ 12:00	Semitaupic Fits / WG1, WG9 Speaker: Ryoutaro Watanabe (K)	Code Review & Feedback	🕒 20m
12:00	→ 12:20	Isospin sum rule fit for $K\pi$, $K^*\pi$ and $K\rho$ / WG5, WG9 / γCombo Speaker: Pablo Goldenzweig (University of Rochester (US))		🕒 20m
12:20	→ 12:40	cMSSM fit to flavour constraints / WG9 / GAMBIT Speaker: Marcin Chrzaszcz (Universität Zuerich (CH), Institute of Nuclear Physics (PL))		🕒 20m
12:40	→ 13:00	Semitaupic Fits / WG1, WG9 / NP-Japan Fitter Speakers: Yutaro Sato (Nagoya University), Yutaro Sato (Tohoku Univ.)		🕒 20m
13:00	→ 13:20	2HDM fit / WG9 / Hepfit Speaker: Luca Silvestrini (INFN Rome)		🕒 20m
13:20	→ 13:40	B2Tip WG Convener / Belle II Physics Convener Feedback round	Roundtable Discussion	🕒 20m