

Closeout



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3rd Physics of the B Factories Book Workshop
Johannes Gutenberg Universität, Mainz
October 1-2, 2010

Brief Workshop Summary

- *Great to see so many contributions in form of first drafts or detailed outlines coming together*
 - *We now have detailed outlines for almost all sections, will chase after editors who are lagging behind !*
- *In some cases more details would be useful*
 - *Think about which figures to include*
 - *Cannot include every Gaussian that presents a signal*
 - *Don't forget about pedagogical figures*
 - *At this point overlap with other sections should be mostly resolved (who covers what?)*

Monitoring Progress (I)

- *Many sections have initial drafts of their text and many more sections will have soon*
 - *General editors will start reviewing drafts and provide feedback to section editors*
 - *Start regular “review” meetings with section editors after this meeting (one meeting every other week)*
- *Deadline: 1st written drafts for all sections expected by the time of the next workshop (earlier is welcome)*

Monitor progress (II)

<http://www.slac.stanford.edu/xorg/BFLB/status/PBF-section-status.htm>



13 The CKM matrix and the KM mechanism	Bevan, Golob, Mannel, Prell, Yabsley			
14 B physics				
14.1 Vub and Vcb	Gambino, Luth, Schwanda, Tackmann, Ligeti			
14.2 Vtd and Vts	Flood, Hurth	KEK10		Est. 4-6 pages
14.3 Hadronic B to charm decays	Beneke, Kass			
14.4 Charmless B decays	Beneke, Wilson	SLAC09, KEK10 (D)		166 papers, est. 20-50 pages
14.5 Mixing and EPR correlations	Prell, Yabsley			
14.6 ϕ_1 / beta	Bigi, Long, Sakai	SLAC09, KEK10 (D)		Est. 25-40 pages
14.7 ϕ_2 / alpha	Aushev, Bigi, Kolomensky	SLAC09, KEK10 (D)		Est. 15-20 pages
14.8 ϕ_3 / gamma	Bigi, Martinez-Vidal, Trabelsi	SLAC09, KEK10 (D)		Est. 25-30 pages
14.9 CPT violation	Prell, Yabsley			
14.10 Radiative and electroweak penguin decays	Hurth, Nakao, Playfer	SLAC09 (D)		55 papers, est. 30-35 pages
14.11 Leptonic decays and $B \rightarrow D^{(*)} \tau \nu$	Iijima, Robertson	KEK10 (D)		36 papers, est. 20-25 pages
14.12 Rare, exotic and forbidden B decays	Kwon, Robertson	? (D)		Est. 10-15 pages
14.13 Baryonic B decays	Waldi, Wang			
15 Quarkonium physics				
15.1 Conventional charmonium	Brambilla, Pakklov, Faccini	KEK10 (D)		Est. 20-25 pages
15.2 Exotic charmonium-like states	Faccini, Olsen, Swanson	KEK10 (D)		Est. 30-50 pages

Next meeting

- *4th PBF workshop will be taking place at KEK in April 2011*
 - *Adjacent or during Belle collaboration meeting and SuperBelle inaugural meeting at KEK. We will have the PBF workshop next to those*
- *Plan to have 5th PBF workshop together with November BaBar meeting (Nov 7-10, 2011)*

Thank you !

- *Thank you to the staff of the Institut für Kernphysik for their flawless organization of this work workshop*
 - *Organization: Susanne Fischer, Lisa Büschelberger, Elisabeth Panzenböck, Oliver Steffen*
 - *IT: Klaus Werner Krygier, Lars Nungesser*
 - *Wolfgang Gradl*
- *And as always Sarodia*



Auf Wiedersehen!



Have a safe trip home!