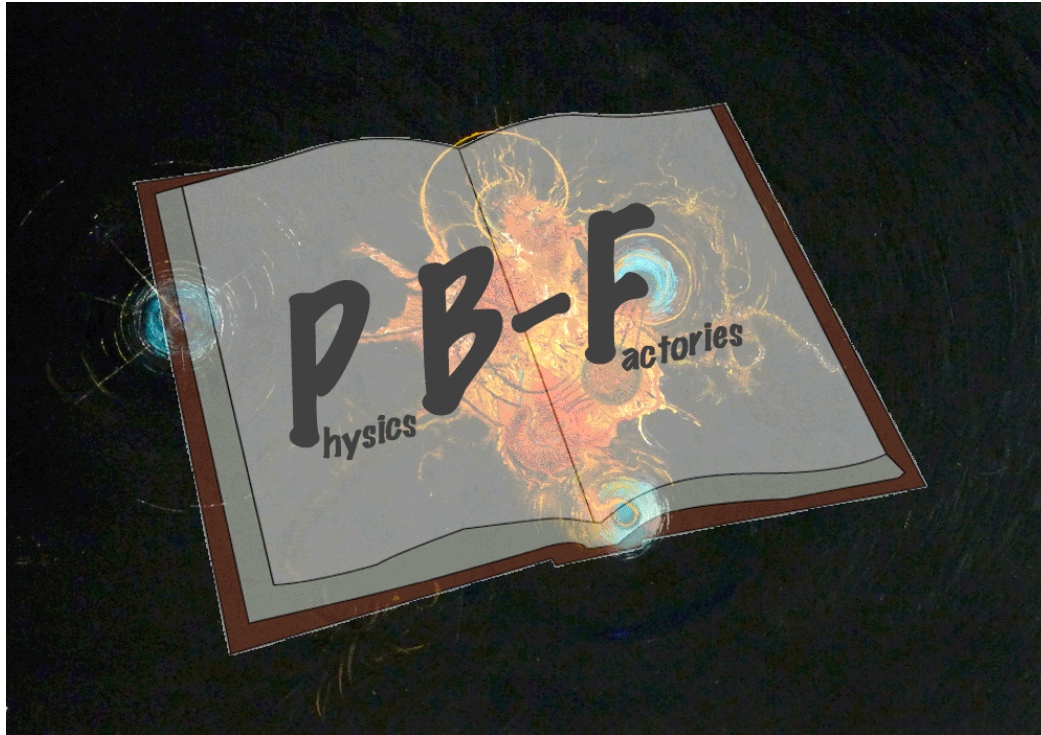


# *Status and Outlook*



*Soeren Prell (Iowa State University)  
5<sup>th</sup> Physics of the B Factories Workshop  
KEK, Tsukuba, Japan  
November 21-22, 2011*

# Status of the Book

- As of yesterday, 382 pages of text committed to svn
  - doubled since Annecy workshop
  - ... but page count not most relevant criterion for publication
  - we are very worried about the sections farthest behind
    - in terms of amount and fraction of work still needed for completion
    - speed at which sections progress

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(from Adrian's talk)

- Facilities

- 12 pages

- Tools and Methods

- 72 pages

- Physics

- 294 pages

*Even a few sections with relatively high page count are on critical path*

6	CKM		
	B Physics		
12	Vub and Vcb		
5	Vtd and Vts		
3	Hadronic B to charm		
19	Charmless		
14	B meson lifetime and mixing		
18	$\Phi_1$		
10	$\Phi_2$		
12	$\Phi_3$		
1	CPT	23	tau
12	Radpeng	27	QED and ISR
1	Leptonic	8	$\Upsilon\Upsilon$
1	Rare	0	Y(5S)
9	B decays to Baryons		QCD
	Quarkonia	16	Fragmentation
17	Conventional	3	Pentaquarks
15	Exotic		Global Interpretation
10	Bottomonium	6	Global Fits
	Charm	0	Benchmark NP ***
15	Charm Meson Decays		
1	Rare		
17	Mixing and CPV		
27	Spectroscopy		

\*\*\* Text exists – not in SVN

# Early Review

- *Early review has started concurrent with writing process*
  - *(Semi-)regular meetings between 5 general editors and ~80 section editors will continue (one section at a time)*
  - *General editor's review workshop held at Queen Mary UL in September*
    - *discussions with sections editors via skype*
    - *Assigned GE contact for each section to follow progress and provide detailed review of submitted text*
    - *Will have another GE review workshop January 12-16 at Iowa State University*
  - *Section reviews here at KEK PBF book workshop*
    - *GEs will post detailed minutes shortly*

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

# *Towards Publication*

- *We are in the middle of the writing phase, but it's nearing its end rapidly*
- *December 2011*
  - *Target date for completing the writing part (including place holders for yet-to-be-published results)*
- *January 2012*
  - *GEs workshop to review and discuss the whole book*
    - *Review of individual sections*
    - *Interrelations between sections*
    - *Consistency of notation across sections, etc.*
  - *Need complete draft text from all sections at this time to make this review effective !*

# *Towards Publication (cont'd)*

- *January 2012 (cont'd)*
  - *Finalize end game with publisher (including check about use of color plots, etc.)*
- *Starting February 2012*
  - *Detailed review by GEs and volunteer senior collaborators and physics working groups*
  - *Afterwards review of sections by BaBar and Belle collaborations using the established internal review mechanisms*

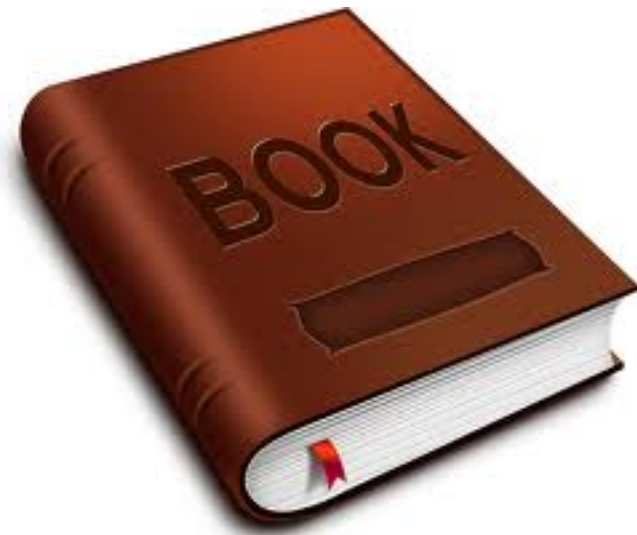
# *Towards Publication (cont'd)*

- *Spring 2012*
  - *GEs think that one more PBF book workshop at the of the review period close to submission for publication would be useful*
  - *Will need to decide on exact dates and location (probably around May 2012)*
    - *Will announce via SE mailing list and PBF book web page*
- *Summer 2012*
  - *Need to deliver book to publisher*
- *End of 2012*
  - *Have book published*



# One more thing...

- *The book needs a cover motif.  
What should it be?*
  - *Should the motif be artistic or realistic?*
  - *Should it be a picture of the B Factories, a selected set of important results, or something else?*
- *Give it some thought and send your suggestions to the GEs*





# Adjourn

- *It has been a very productive 2-day workshop and a pleasant stay at KEK*
- *Many thanks to our Belle and KEK colleagues (esp. Bostjan, Bruce, the Belle secretaries) and Sarodia for organizing and hosting this 5<sup>th</sup> PBF book workshop*
- *Have a safe trip home !*

