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Charged Two Body Studies Page

These pages contain an overview of the B to hh analysis under study in LHCb.

Main two-body page, CP measurements Page and LHCb Physics Page

Analysis Overview

- The analysis strategy and the B2hh task force that is working on it have been presented in an informal meeting at CERN in the March 06 LHCb week (see announcement [here](#))
- Material for preparation of B2hh analysis review of 7 November web page

Analysis Talks

- Angelo's overview of status (thesis results), March 2006 ;
- Gerhard's and Angelo's talks, October '05 ;
- Vincenzo talk, July '05 ;
- Vincenzo and Guy talks, June '05

Other Experiments

- BaBar conference papers/publications : PRL 89, 281802 (2002) ([hep-ex/0207055](#)); PRL 87, 151802 (2001) ([hep-ex/0105061](#))
- Belle conference papers/publications : [hep-ex/0507045](#); PRL 93, 191802 (2004) ([hep-ex/0408100](#)); PRD 71, 031502(R) (2005) ([hep-ex/0407025](#)); PRD 64, 071101 (2001) ([hep-ex/0106095](#))
- CDF analysis

Analysis Details

- B to hh selection (A. Carbone, V.Vagnoni)
 - ◆ Selection Page
- Fit (A. Carbone, V.Vagnoni, A. Sarti)
 - ◆ Fit Page
- PID (R. Muresan, S.Pennazzi, A.Sarti)
 - ◆ PID Page
- Tagging studies (M. Calvi)
 - ◆ Tagging Page
- Proper time studies (A. Bates, S. Vecchi, G. Balbi)
 - ◆ Proper Time Page
- Trigger (G. Valenti)
 - ◆ Trigger Page
- Systematics and momentum studies (J. Nardulli, A. Carbone)
 - ◆ Systematics Page
- Radiative corrections (A. Carbone, A. Sarti, S.Pennazzi)
 - ◆ Radiative corrections page

Documentation

- Public notes
 - ◆ LHCb-2003-164 [↗](#);
 - ◆ LHCb-2003-124 [↗](#);
 - ◆ LHCb-2003-123 [↗](#)
- Conference talks
 - ◆ Proceedings of CKM workshop: Prospects for B to hh measurements @ LHCb [↗](#)
 - ◆ Vienna, Physics at LHC: L. Fabbri, July 2004 [↗](#)
 - ◆ Prague, Physics at LHC: A. Carbone, July 2003 [↗](#)
- TDR analysis section:
 - ◆ B to hh analysis: TDR section [↗](#)

B2hh Task Force meetings

- May 12 2006 [↗](#)
- May 30 2006 [↗](#)
- Nov 7 2006 [↗](#)
- Nov 30 2006 [↗](#)
- June 05 2007 [↗](#)

B2hh Task Force members

- Alison Bates (Glasgow): Proper time calibration
 - ◆ also interest in Glasgow on effects of VELO misalignments
- Angelo Carbone (Bologna): Event selection, CP fits
- Marta Calvi (Milano): Flavour Tagging
- Jacopo Nardulli (NIKHEF): Effects of detector mis-alignment
- Michael Schmelling (Heidelberg): starting now to identify items of interest
- Raluca Muresan (Oxford): PID calibration with D* samples
- Silvia Pennazzi (Florence): Physics with D2hh decays different physics, but overlap in specific issues, e.g. proper time, selection, PID, etc.
- Alessio Sarti (Frascati): PID calibration with D* samples, modelization into CP fits
- Vincenzo Vagnoni (Bologna): Event selection, CP fits, Monte Carlo
- Stefania Vecchi (Bologna): Proper time calibration, modelization into CP fits
- Giovanni (Gianni) Valenti (Bologna): Trigger, Physics with D2hh decays

Contacts

- You can send an email to the CP mailing list (lhcb-phys-cp-measurements at cern.ch) or visit the archives [↗](#)

Main two-body page, CP measurements Page and LHCb Physics Page.

-- Main.wilkins - 20 Jul 2005

This topic: LHCb > CpBhhDev

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