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Charged Charmless Two Body Selection Page

These page contain the information about the charmless two body B decay selection strategy, implementation and results.

Main two-body page, CP measurements Page [↗](#) and **LHCb Physics Page** [↗](#)

Documentation

The selection is described in detail in this public lhcb note [↗](#) (2007).

DC06 Jun production

The DC06 data have been processed with the standard selection (DVSelB2HH), producing microDST files.

- The signal production has been done using DaVinci v19r12
- **Selection from PhysSel/B2uds v2r6p2**

Brunel v31 stripping data

That have been selected from the Bookkeeping using the tag: DC06-Stripping-v31-lumi2.

Bd Kpi dec file	Evt type 11102003	Brunel v31r11	Gauss v25r8	EvtGen v8r15. DecFiles v13r8. ParamFiles v5r0
Bd pipi dec file	Evt type 11102013	Brunel v31r12	Gauss v25r8	EvtGen v8r15. DecFiles v13r8. ParamFiles v5r0
Bs KK dec file	Evt type 13102003	Brunel v31r12	Gauss v25r7	EvtGen v8r14. DecFiles v13r3. ParamFiles v5r0
Bs Kpi dec file	Evt type 13102013	Brunel v31r12	Gauss v25r8	EvtGen v8r15. DecFiles v13r8. ParamFiles v5r0

This data sample has been processed with this opts file: the Tagging and Trigger algorithms were enabled and copied to the microDST.

Ganga Job	Type	Dirac num	To do	B candidates dumped	cards
1415	Bdpipi	595256 -> 69	68	210916 candidates in 207848 accepted events	391514 evts processed Bdpipi_strip_data.opts
1414	BsKK	595245-55	done	90519 candidates in 89239 accepted events	176505 evts processed BsKK_strip_data.opts
1413	BsKpi	595244	done	25103 candidates in 24746 accepted events	46098 evts processed BsKpi_strip_data.opts
1416	BdKpi	595285 -> 97	97	217754 candidates in 214546 accepted events	405012 evts processed BdKpi_strip_data.opts

Brunel v30 signal MC jobs

- microDST have been produced with the options attached having added the Tagging algorithm...
- Input data is:
 - ◆ 1272746 Bd to Kpi evts: BdKpi.opts and BdKpi_2.opts
 - ◆ 1317096 Bd to pipi evts: Bdpipi.opts and Bdpipi_2.opts
 - ◆ 22862 Bs to KK evts: BsKK.opts

◆ 129216 Bs to Kpi evts: BsKpi.opts

- The microDST produced are available in the castor area. You can use the opts files attached here to access them...

Ganga Job	Type	Dirac num	To do	B candidates dumped	cards
1390(91)	Bdpipe	574039 -> 068	52,53,54,63, 65, 66 ,68	217625 Bdpipe_input.txt.gz	Bdpipe_microdata.opts DV events: 1134658
1392	BsKK	574081	-	2500 BsKK_input.txt.gz	BsKK_microdata.opts DV events: 22365
1393	BsKpi	574082 -> 86	82,85,86	15099 BsKpi_input.txt.gz	BsKpi_microdata.opts DV events: 77538
1394(95)	BdKpi	574088 -> 23	97,100,101,16,18,20,22	203404 BdKpi_input.txt.gz	BdKpi_microdata.opts DV events: 1039633

Tools for data access

- A gaudi python script can be used to dump the info need for the B2hh (simultaneous) fit

-- Main.asarti - 17 Jul 2008

This topic: LHCb > SelPage

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