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TED Runs

Complete list of runs with beam intensity and # bunches was collated by velo and can be found [here](#).

Normal runs good for IT alignment

- Tracks is with tuning that gives only TED tracks , low angle [± 20 mrad, originating from TED], less than 4k hits. Total 11662 tracks
- All of these runs were reprocessed using Helge's configuration. The files are available either on castor /castor/cern.ch/user/m/mneedham/run50XXX-reprocessed4, or on lphe cluster /lhcb/data/data3/ted/run50XXX-reprocessed4.)Pedestal following off. For pedestal following on change the 4 to a 3)
- See here for details and xml files for the databases
- Data in denotes the best spill to use [or whether to merge spills]
- Timing quality if run is well timed. Only good quality timing runs should be used for efficiency studies

Run	# Shots	# IT clusters	# tracks	Conditions	Use	Data in	Timing Quality
50407				desynched	Tune	Merge	Poor
50408				desynched	Validate	Merge	Poor
50410				desynched	Tune	Merge	Poor
50415	5	5002	19	new try to check the global timing	Tune	Merge	Poor
50416	5	5747	0	clock moved 10 ns	Tune	Merge	Poor
50418	12	6070	0	12 shots ittell18 sent no packet	Tune	Merge	Poor
50423	140	5916	0	unstable BCID ?	Tune	Merge	Poor
50424	150	5895	0	unstable BCID ?	Tune	Merge	Poor
50425	42	4416	406	42 synched shots	Tune	Merge	Poor
50427	39	4241	541	Step M60	Tune	Merge	Poor
50428	69	2831	795	Step P 60 , low intensity	Tune	Merge	Poor
50430	46	4585	304	Step P 120	Tune	Merge	Poor
50431	6	4203	168	New run with TED activity	Validate	Merge	Poor
50432	88	4388	1019	New run with TED activity	Validate	Merge	Good
50433	91	4323	710	low intensity at the end	Tune	Prev1	Good
50435	10	1926	257	low intensity at the end	Tune	Prev1	Good
50436	70	2027	1801	low intensity	Tune	Prev1	Good
50437	43	1925	1046	low intensity, IT dies end of this run	Tune	Prev1	Good
50439	121	2077	3297	low intensity, IT is back	Validate	Prev1	Good
50440	159	5103	100	Go back to high intensity	Validate	Prev1	Good
50452	30	5125	138	De synched, high intensity	Tune	Prev1	Good
50454	228	5191	400	De synched, high intensity	Tune	Prev1	Poor
50457	103	5161	63	De synched, high intensity	Tune	Prev1	Poor
50465	5	5268	0	De synched, high intensity	Tune	Prev1	Poor
50496	40	4919	618	IT configuration fixed	Tune	Prev1	Good

HV Scan with TAE

Run	Conditions	Use	Data in	Timing Quality			
50472	?	?	?	HV 50 V	Tune	Prev1	OK
50473	?	?	?	HV 100	Tune	Prev1	OK
50474	?	?	?	HV 150	Tune	Prev1	OK

All of these runs were reprocessed using Helge's configuration. The files are available on castor /castor/cern.ch/user/j/jluisier/run50XXX-reprocessed.

HV scan with 25 ns bunch trains

Run	Voltage
50481	250
50482	200
50483	175
50484	150
50485	125
50486	125
50487	100
50488	100
50489	75
50490	50
50491	30

* 50481, 50482, 50483, 50484, 50485, 50486, 50487, 50488, 50489

All of these runs were reprocessed using Helge's configuration. The files are available on castor /castor/cern.ch/user/j/jluisier/run50XXX-reprocessed.

Special TT Runs

- 50438 is normal TT run but IT was off
- 50442 Run with TT LCMS off
- 50446 pedestal following on in TT

-- MatthewNeedham - 11 Jun 2009

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