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Preliminary HF Plots from Beam Splash09

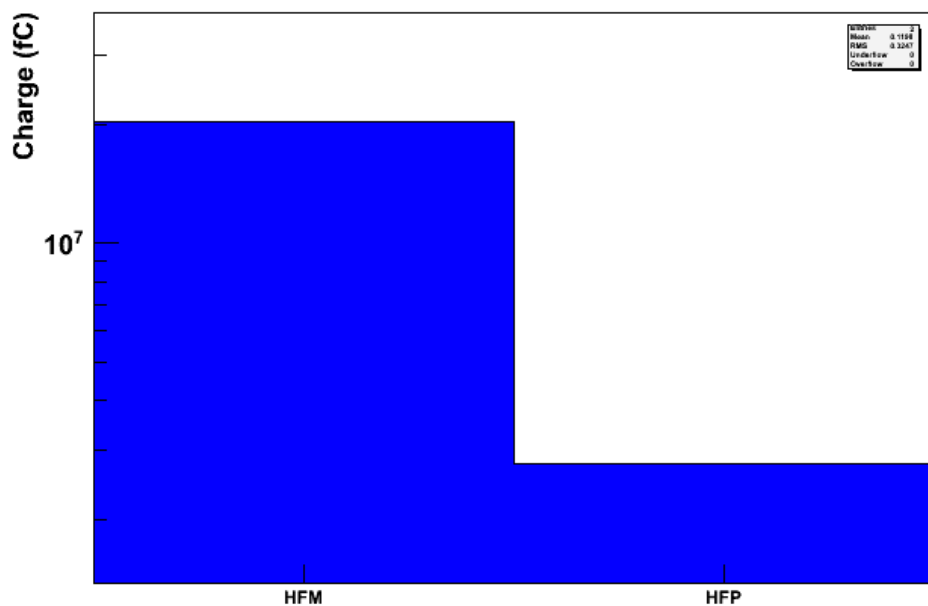
RecHit Plots

- HF Energies:

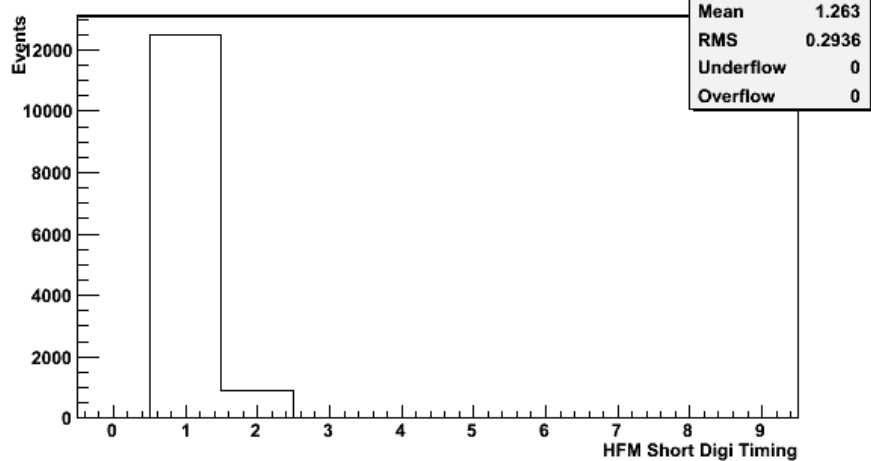
* HF Digi Timing vs iPhi:

Digi Plots

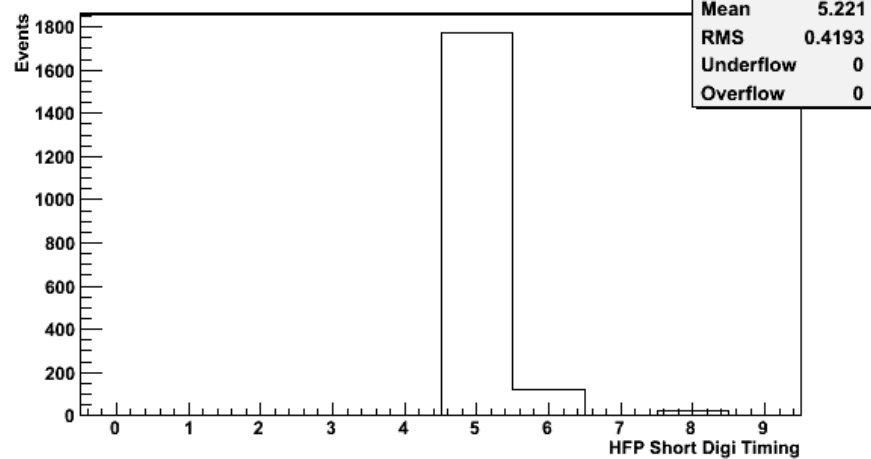
- HFCharge.png:

HF Charge Accumulation [RUN:120015]

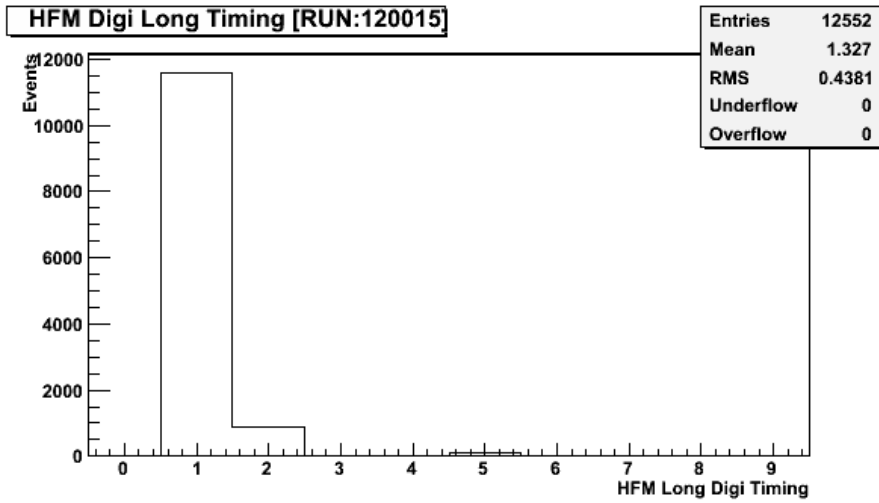
- HFM Short Fiber Pulse Shape:

HFM Digi Short Timing [RUN:120015]

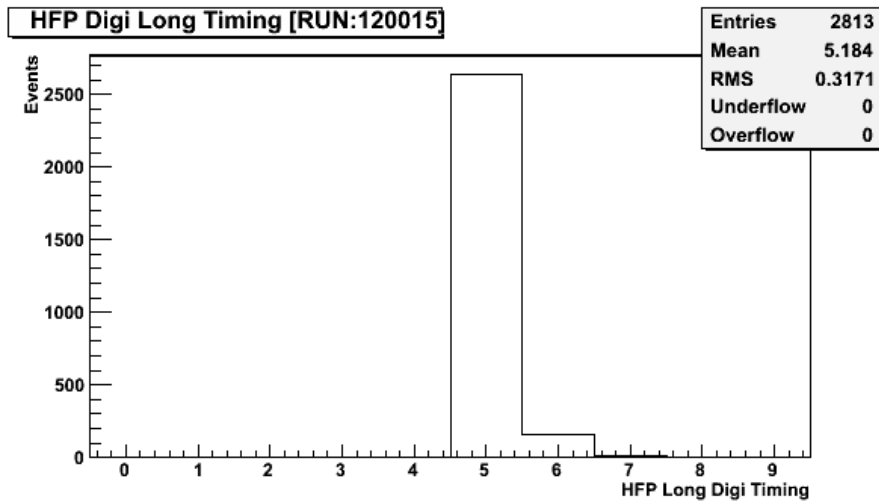
- HFP Short Fiber Pulse Shape:

HFP Digi Short Timing [RUN:120015]

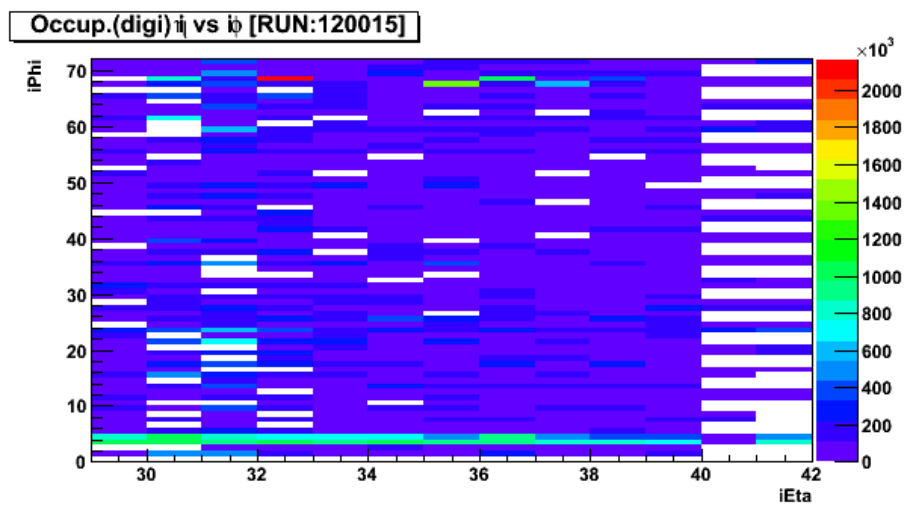
- HFM Long Pulse Shape:



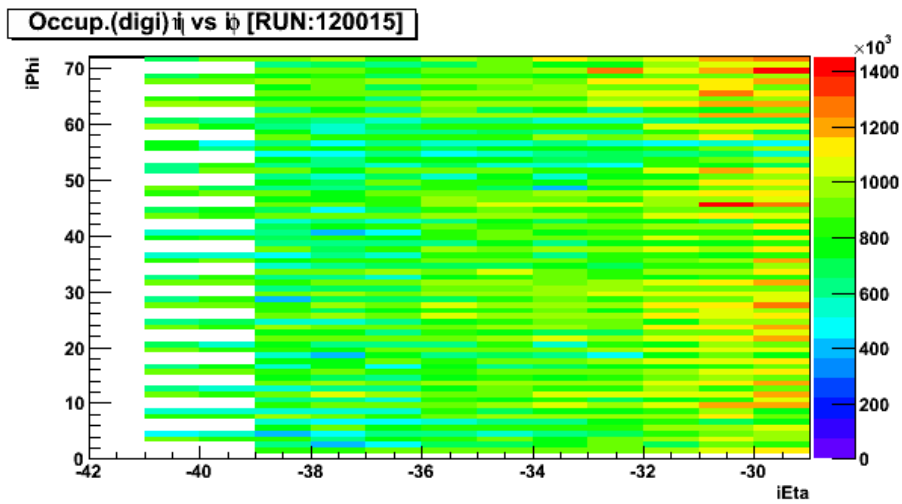
- HFP Long Pulse Shape:



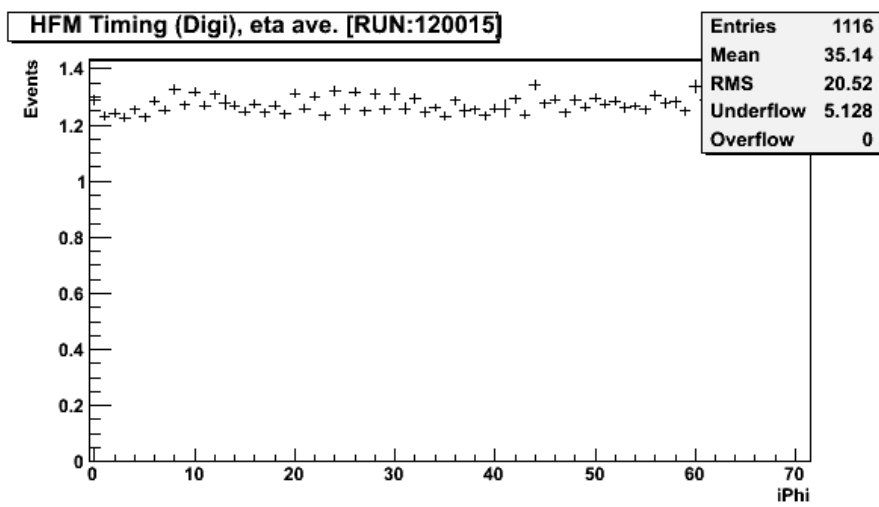
- HFP Collected Charge in fC (GeV):



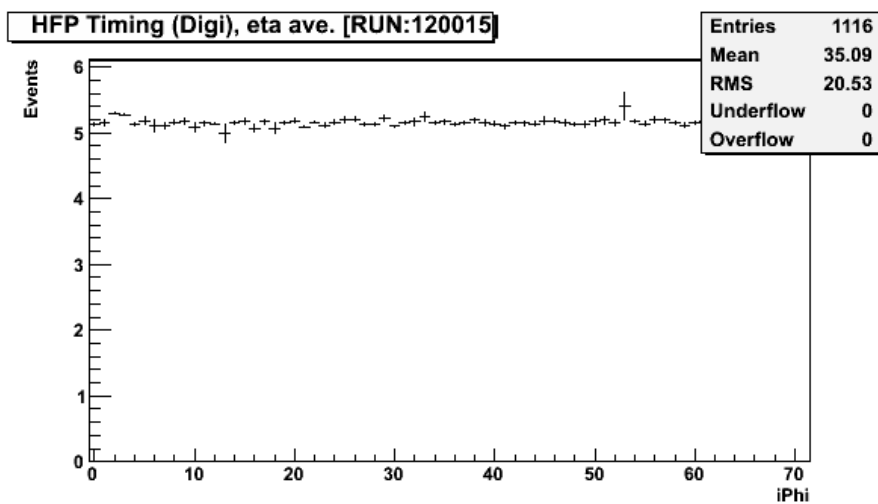
- HFM Collected Charge in fC (GeV):



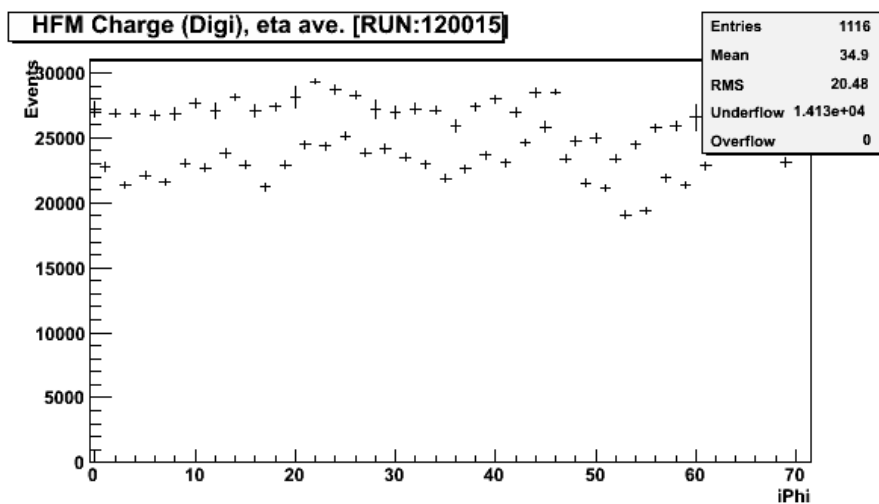
- HFM Timing in Phi Rings (Even i_ϕ = depth 1, odd i_ϕ = depth 2):



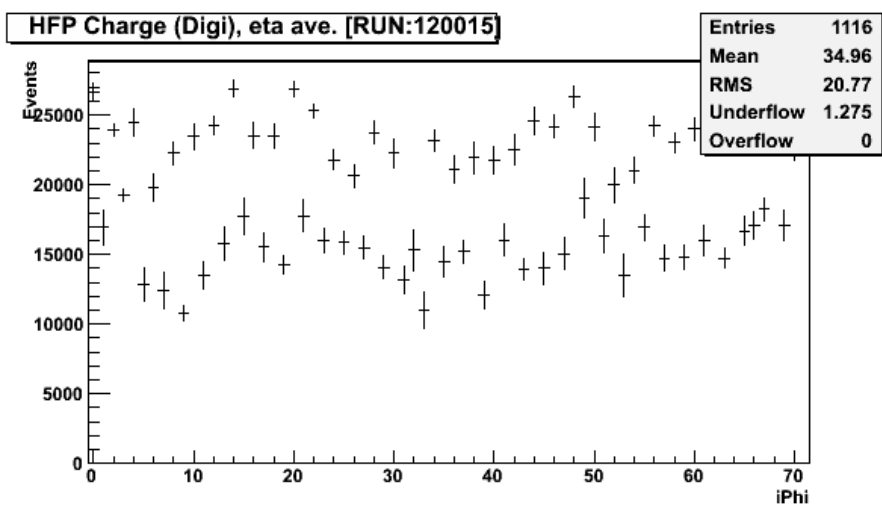
- HFP Timing in Phi Rings (Even i_ϕ = depth 1, odd i_ϕ = depth 2):



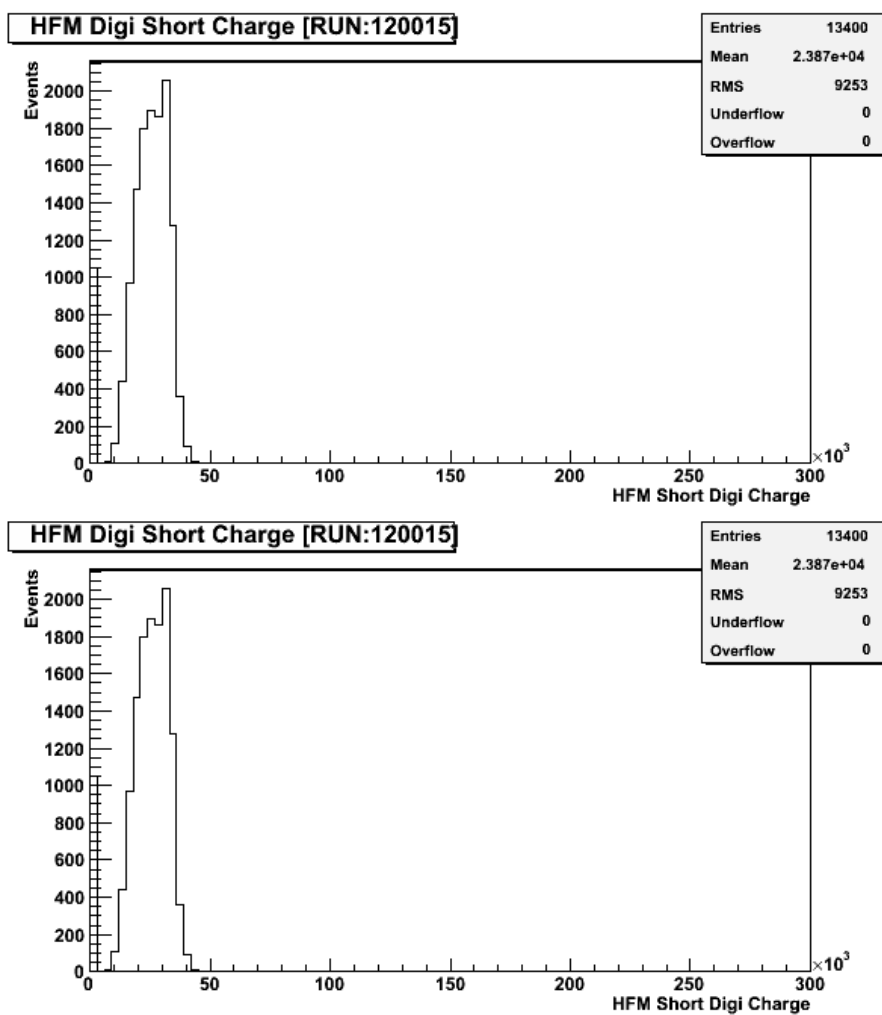
- HFM Charge in Phi Rings (Even i_ϕ = depth 1, odd i_ϕ = depth 2):



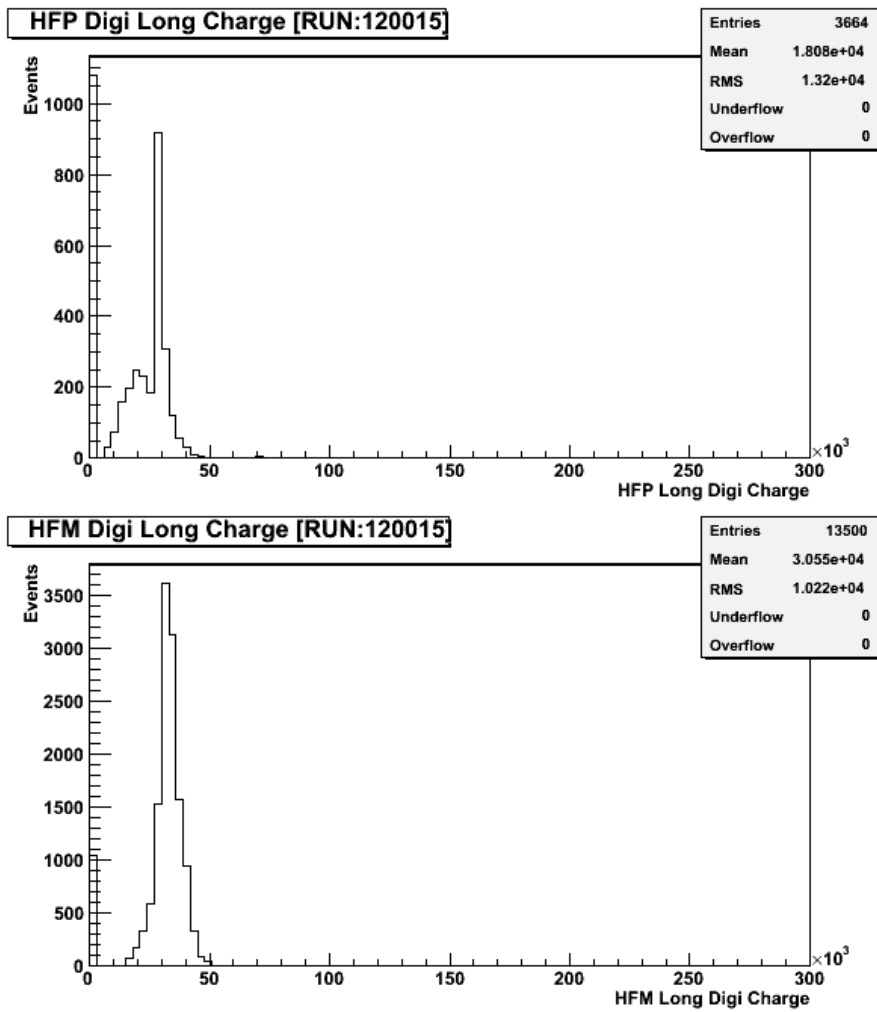
- HFP Charge in Phi Rings (Even iPhi = depth 1, odd iPhi = depth 2):



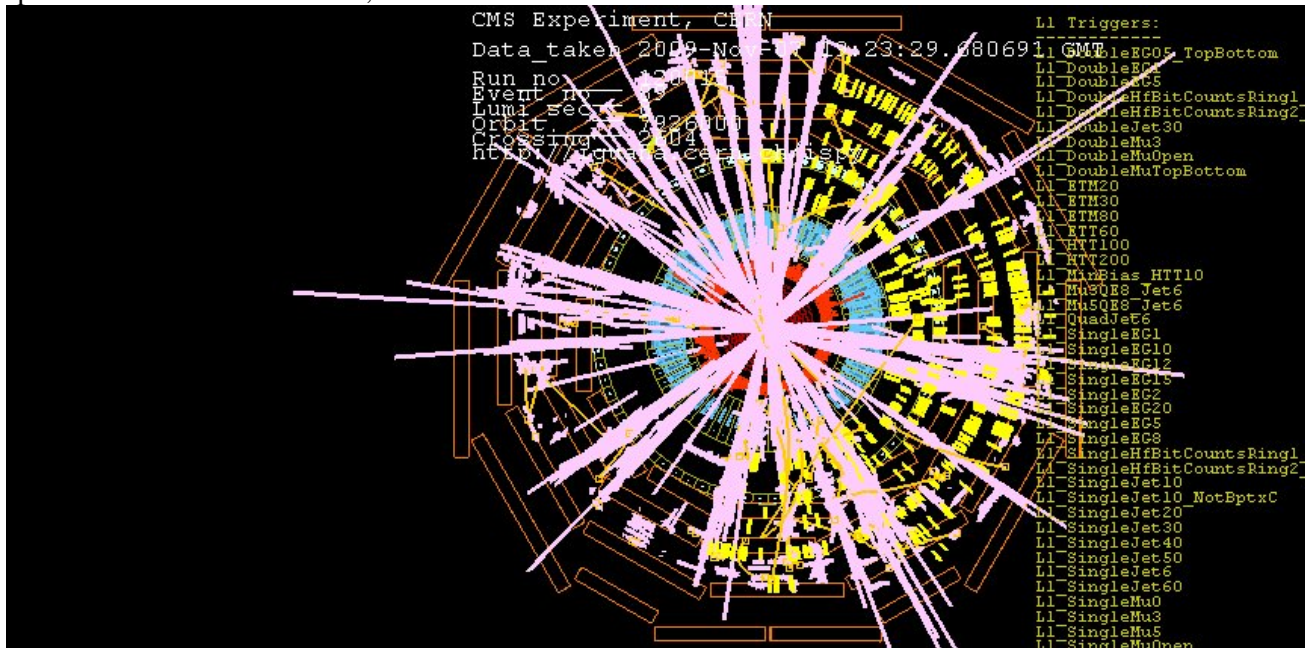
- Picture_29.png:



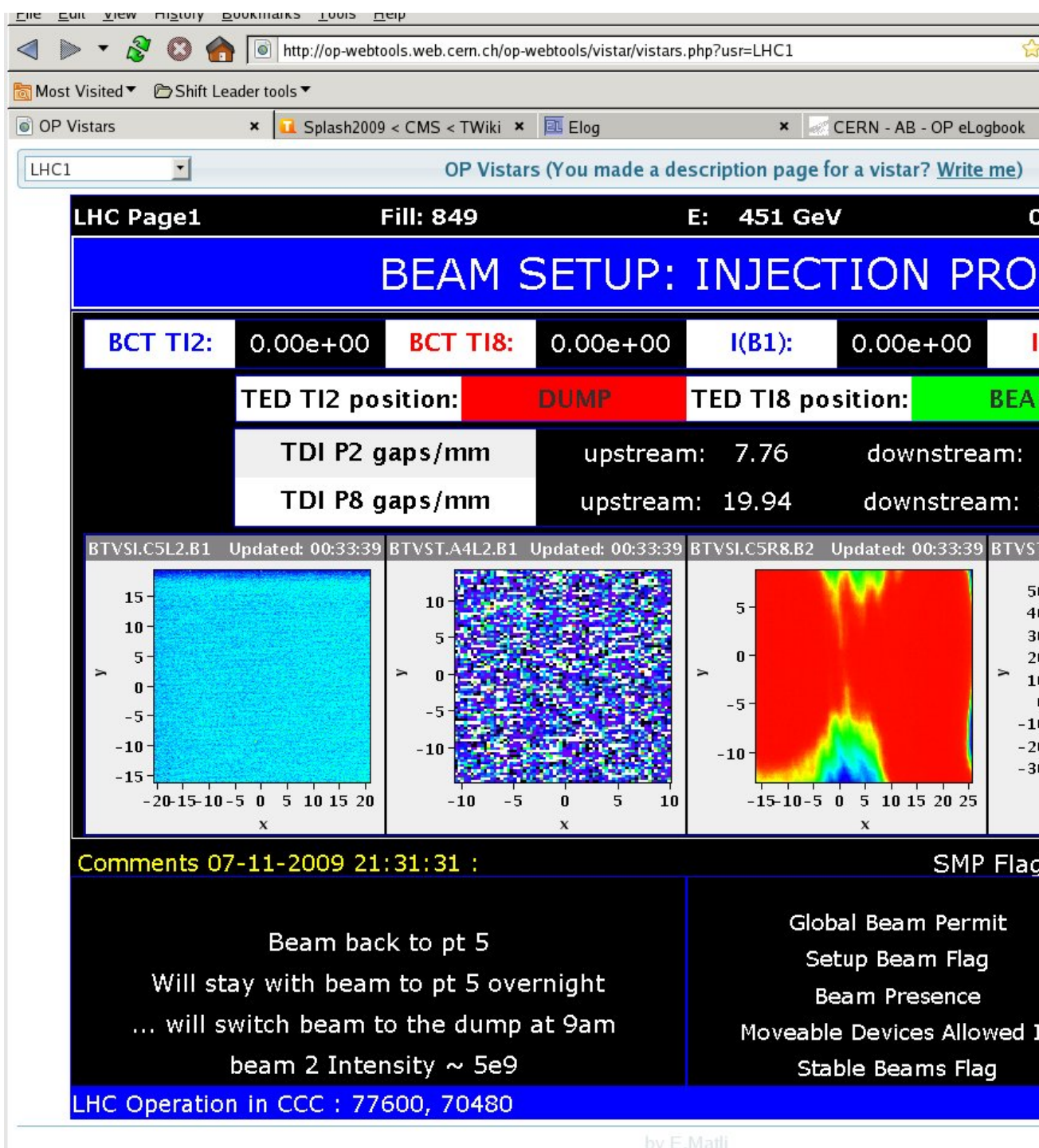
- Picture_28.png:



- splash event in the run 120015, event 89:



- * More plots
- LHC operation page
- LHC OP page:



- L1 Algo trigger rates from the run 120020:

L1Summary Run 120020 - Mozilla Firefox					
File Edit View History Bookmarks Tools Help					
http://cmswbm.cms/cmsdb/servlet/L1Summary?RUN=120020					
Most Visited Shift Leader tools					
CMS TriggerRates x HowToUseRunTimeLogger < ... x Level-1 Trigger Page x L1Summary Run					
36		0	0.00	1	0
37		0	0.00	1	0
38		0	0.00	1	0
39		0	0.00	1	0
40	L1_SingleIsoEG5	154	0.06	1	0
41	L1_SingleIsoEG8	71	0.03	1	0
42	L1_SingleIsoEG10	59	0.02	1	0
43	L1_SingleIsoEG12	50	0.02	1	0
44	L1_SingleIsoEG15	37	0.01	1	0
45	L1_SingleEG1	137634	50.80	1	0
46	L1_SingleEG2	4751	1.75	1	0
47	L1_SingleEG5	210	0.08	1	0
48	L1_SingleEG8	127	0.05	1	0
49	L1_SingleEG10	115	0.04	1	0
50	L1_SingleEG12	104	0.04	1	0
51	L1_SingleEG15	91	0.03	1	0
52	L1_SingleEG20	81	0.03	1	0
53		0	0.00	1	0
54	L1_SingleMuBeamHalo	46	0.02	1	0
55	L1_SingleMuOpen	171	0.06	1	0
56	L1_SingleMu0	155	0.06	1	0
57	L1_SingleMu3	80	0.03	1	0
58	L1_SingleMu5	56	0.02	1	0
59	L1_SingleMu7	33	0.01	1	0
60	L1_SingleMu10	24	0.01	1	0
61	L1_SingleMu14	20	0.01	1	0
62	L1_SingleMu20	13	0.00	1	0
63	L1_ETT60	71	0.03	1	0
64		0	0.00	1	0
65	L1_ETM20	81	0.03	1	0
66	L1_ETM30	77	0.03	1	0
67		0	0.00	1	0
68	L1_ETM80	70	0.03	1	0
69		0	0.00	1	0
70	L1_HTT100	69	0.03	1	0
71	L1_HTT200	33	0.01	1	0
72		0	0.00	1	0
73		0	0.00	1	0
74		0	0.00	1	0
75	L1_DoubleEG05_TopBottom	4332	1.60	1	0
76		0	0.00	1	0
77		0	0.00	1	0
78		0	0.00	1	0
79		0	0.00	1	0

- L1 Algo bits 47, 48, 49, 50, 51, 52:

e Edit View History Bookmarks Tools Help

http://lts-gt.cms:3228/urn:xdaq-application:lid=13/Default?_sessionid=id_777407565_1257639249

Most Visited Shift Leader tools

CMS TriggerRates x HowToUseRunTimeLogger < ... x Level-1 Trigger Page x L1Summary Run 1

MS Global Trigger Cell

Trigger Supervisor

- Commands
 - 0 General
 - 1 Run
 - 2 TCS
 - 3 TCS PTC
 - 4 FDL
 - 5 GTFE
 - 6 Test
 - Default
- Operations
 - Create
 - Destroy
 - Control
- Control Panels
 - 1 GT Partitioning
 - 2 GT Configuration
 - 3 GT Trigger Monitor
 - 4 GT Run Settings
 - 5 GT Configuration Editor
 - 6 GT Hardware Monitor
- Monitoring & Alarms
 - Hotspot
 - urn:xdaq-flashlist:gmt_cell_mon
 - urn:xdaq-flashlist:gmt_cell_scalers_act
 - urn:xdaq-flashlist:gmt_cell_scalers_pa
 - urn:xdaq-flashlist:gmt_cell_status
 - urn:xdaq-flashlist:gt_cell_general
 - urn:xdaq-flashlist:gt_cell_hardwarestat
 - urn:xdaq-flashlist:gt_cell_lumiseg
 - urn:xdaq-flashlist:gt_cell_ttcpartitions
 - urn:xdaq-flashlist:lts_cell
 - SubCells

Focus on DAQ Partition(s): ☒ PTC 0 ☐ PTC 1 ☐ PTC 2

Trigger Input: **Algorithm Bits** **Technical Bits** ☐ Compact Display what:

RunNr		LumSegNr (LS)								Rate (Hz)	
120020		44 (29 % complete)								0.00	
Algo	Rate (Hz)	Algo	Rate (Hz)	Algo	Rate (Hz)	Algo	Rate (Hz)	Algo	Rate (Hz)	Algo	Rate (Hz)
0	0.00	10	0.00	20	0.07	30	0.05	40	0.10	50	0.09
1	0.09	11	0.00	21	0.07	31	0.04	41	0.04	51	0.09
2	50.24	12	0.00	22	0.00	32	0.04	42	0.03	52	0.07
3	326.68	13	0.00	23	0.00	33	0.04	43	0.03	53	0.00
4	0.00	14	0.00	24	0.00	34	0.00	44	0.03	54	0.05
5	0.00	15	0.13	25	0.00	35	0.00	45	51.09	55	0.15
6	0.00	16	0.09	26	0.00	36	0.00	46	1.91	56	0.15
7	0.00	17	0.07	27	0.00	37	0.00	47	0.15	57	0.04
8	0.35	18	0.07	28	0.00	38	0.00	48	0.10	58	0.03
9	0.93	19	0.07	29	0.00	39	0.00	49	0.09	59	0.03
Trigger Counters: Rates (Hz)		LS 43	LS 42	LS 41	LS 40	LS 39	LS 38	LS 37	LS 36	LS 35	LS 34
TriggersPhysicsGeneratedFDL		0.21	0.15	0.16	0.16	0.16	0.16	0.17	0.18	0.15	0.15
TriggersPhysicsLost		0.03	0.03	0.02	0.02	0.05	0.03	0.03	0.04	0.04	0.04
TriggersPhysicsLostBeamActive		0.03	0.03	0.02	0.02	0.05	0.03	0.03	0.04	0.04	0.04
TriggersPhysicsLostBeamInactive		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsPhysics		0.18	0.12	0.14	0.14	0.11	0.13	0.14	0.14	0.11	0.11
L1AsRandom		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsTest		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsCalibration		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Deadtime Counters: Ratios (%)		LS 43	LS 42	LS 41	LS 40	LS 39	LS 38	LS 37	LS 36	LS 35	LS 34
Deadtime		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActive		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveTriggerRules		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveCalibration		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActivePrivateOrbit		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActivePartitionController		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveTimeSlot		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

- L1 technical bits 2, 36, 37, 43:

File Edit View History Bookmarks Tools Help

http://lts-gt.cms:3228/urn:xdaq-application:lid=13/Default?_sessionid=id_777407565_1257639249

Most Visited Shift Leader tools

CMS TriggerRates x HowToUseRunTimeLogger < ... x Level-1 Trigger Page x L1Summary Ru

CMS Global Trigger Cell

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 - urn:xdaq-flashlist:gmt_cell_mon
 - urn:xdaq-flashlist:gmt_cell_scalers_act
 - urn:xdaq-flashlist:gmt_cell_scalers_pa
 - urn:xdaq-flashlist:gmt_cell_status
 - urn:xdaq-flashlist:gt_cell_general
 - urn:xdaq-flashlist:gt_cell_hardwarestat
 - urn:xdaq-flashlist:gt_cell_lumiseg
 - urn:xdaq-flashlist:gt_cell_ttcpartitions
 - urn:xdaq-flashlist:lts_cell
- SubCells

Focus on DAQ Partition(s): ☒ PTC 0 ☐ PTC 1 ☐ PTC 2

Trigger Input: **Algorithm Bits** **Technical Bits** ☐ Compact **Display wh**

RunNr		LumSegNr (LS)				Rate (Hz)	
120020		42 (63 % complete)				0.50	
Tech	Rate (Hz)	Tech	Rate (Hz)	Tech	Rate (Hz)	Tech	Rate (Hz)
0	0.00	10	1.67	20	0.00	30	0.00
1	0.00	11	0.93	21	0.00	31	0.00
2	0.02	12	0.16	22	0.00	32	0.00
3	0.02	13	0.00	23	0.00	33	0.00
4	0.00	14	0.00	24	0.00	34	0.07
5	0.00	15	0.00	25	0.00	35	0.00
6	0.00	16	0.00	26	0.00	36	0.02
7	0.00	17	0.00	27	0.00	37	0.02
8	1.31	18	0.00	28	0.00	38	0.00
9	2.04	19	0.00	29	0.00	39	0.00

Trigger Counters: Rates (Hz)		LS 41	LS 40	LS 39	LS 38	LS 37	LS 36	LS 35	LS 34
TriggersPhysicsGeneratedFDL		0.16	0.16	0.16	0.16	0.17	0.18	0.15	0.15
TriggersPhysicsLost		0.02	0.02	0.05	0.03	0.03	0.04	0.04	0.02
TriggersPhysicsLostBeamActive		0.02	0.02	0.05	0.03	0.03	0.04	0.04	0.02
TriggersPhysicsLostBeamInactive		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsPhysics		0.14	0.14	0.11	0.13	0.14	0.14	0.11	0.13
L1AsRandom		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsTest		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
L1AsCalibration		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Deadtime Counters: Ratios (%)		LS 41	LS 40	LS 39	LS 38	LS 37	LS 36	LS 35	LS 34
Deadtime		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActive		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveTriggerRules		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveCalibration		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActivePrivateOrbit		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActivePartitionController		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DeadtimeBeamActiveTimeSlot		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

LHC info

This topic: Main > UlowaSplashEvents09

Topic revision: r14 - 2009-11-09 - SercanSen



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