



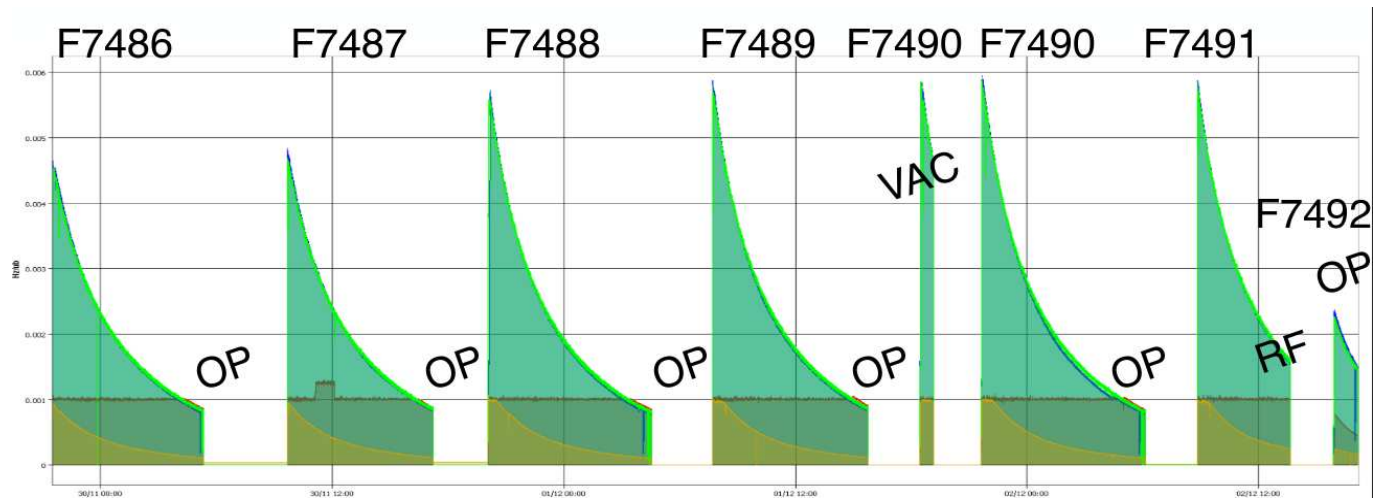
# TRD weekly meeting

**week 48: 26 November – 2 December 2018**

- LHC operation
- TRD operation
- Summary

**Alexander Borissov, Münster University, CERN, 10.12.2018**

# LHC operation



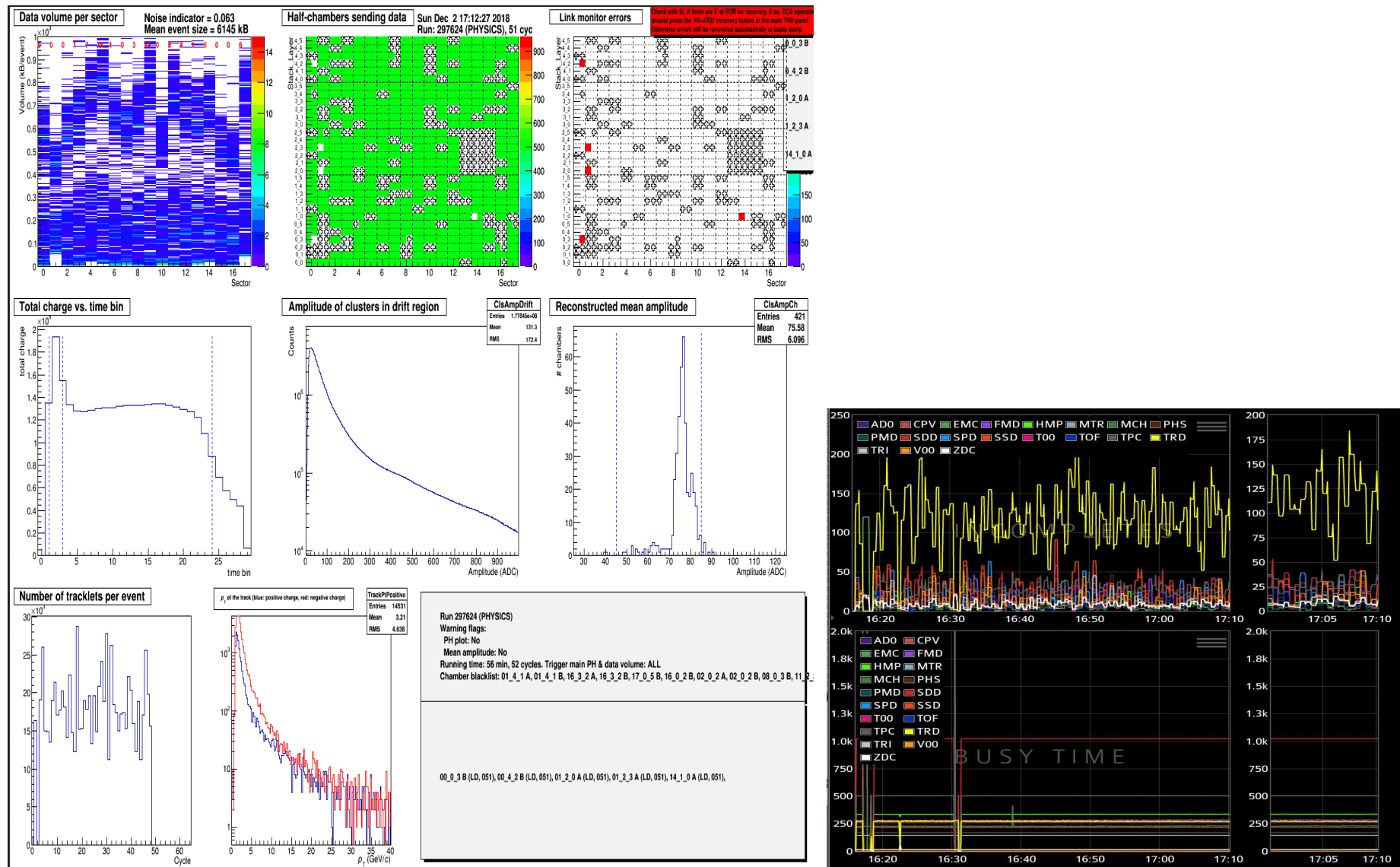
Fill Info Status	Fill Number	Stable Beams Declared	Filling Scheme Name	Stable Beams Start	Stable Beams End	Stable Beams Duration	Data Taking Duration	Pause Duration	SOR/EOR Duration	Efficiency (%)	# of Runs
	7492	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	02/12/2018 15:52:49	02/12/2018 17:10:07	01:17:18	01:04:07	00:01:13	00:06:54	82.95	2
	7491	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	02/12/2018 08:48:41	02/12/2018 13:37:57	04:49:16	03:50:08	00:06:36	00:09:35	79.56	3
	7490	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	01/12/2018 21:37:48	02/12/2018 06:09:09	08:31:21	06:50:58	00:10:06	00:49:03	80.37	15
	7489	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	01/12/2018 18:27:18	01/12/2018 19:10:36	00:43:18	00:35:58	00:00:28	00:06:18	83.06	2
	7488	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	01/12/2018 07:40:42	01/12/2018 15:46:15	08:05:33	07:25:15	00:05:55	00:15:36	91.70	5
	7487	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	30/11/2018 20:04:57	01/12/2018 04:34:23	08:29:26	07:24:45	00:06:25	00:38:07	87.30	12
	7486	Yes	75_150ns_733Pb_733_702_468_42bpi_20inj	30/11/2018 09:38:54	30/11/2018 17:14:35	07:35:41	02:41:27	00:04:51	00:02:58	35.43	1

- excellent overall availability, 8 fills, 6 OP dumps
- fill efficiency 82 – 92 %, duration  $\sim 7$  h
- smooth operations until Sunday afternoon

# TRD operation

- a few EORs
  - 297588 HV trips in A12-1-0, A12-1-1, A12-3-0 recovered, 02/12, Minjung
  - 297405 DIM script restarted for trd-fed2, 30/11, Benjamin
  - 297312 GTU reconfigured, 29/11, Lucas
- after beam dump or configuration from ACT TRD in mixed state, recovered, Lucas, Mesut, Anar, Alexander
- stand-alone pulser runs before stable beam, 30/11 – 02/12, Alexander
- chamber 16-0-2 recovered after mismatch conf. tag, 02/12, Alexander
- Xenon bottle closed 02/12 18:01, Chilo
- TRD FED, LV, PT, GTU switched off 02/12 18:09, Alexander, Benjamin
- TRD HV drifts at standard + 100 V tests, 03 – 04/12, Yvonne

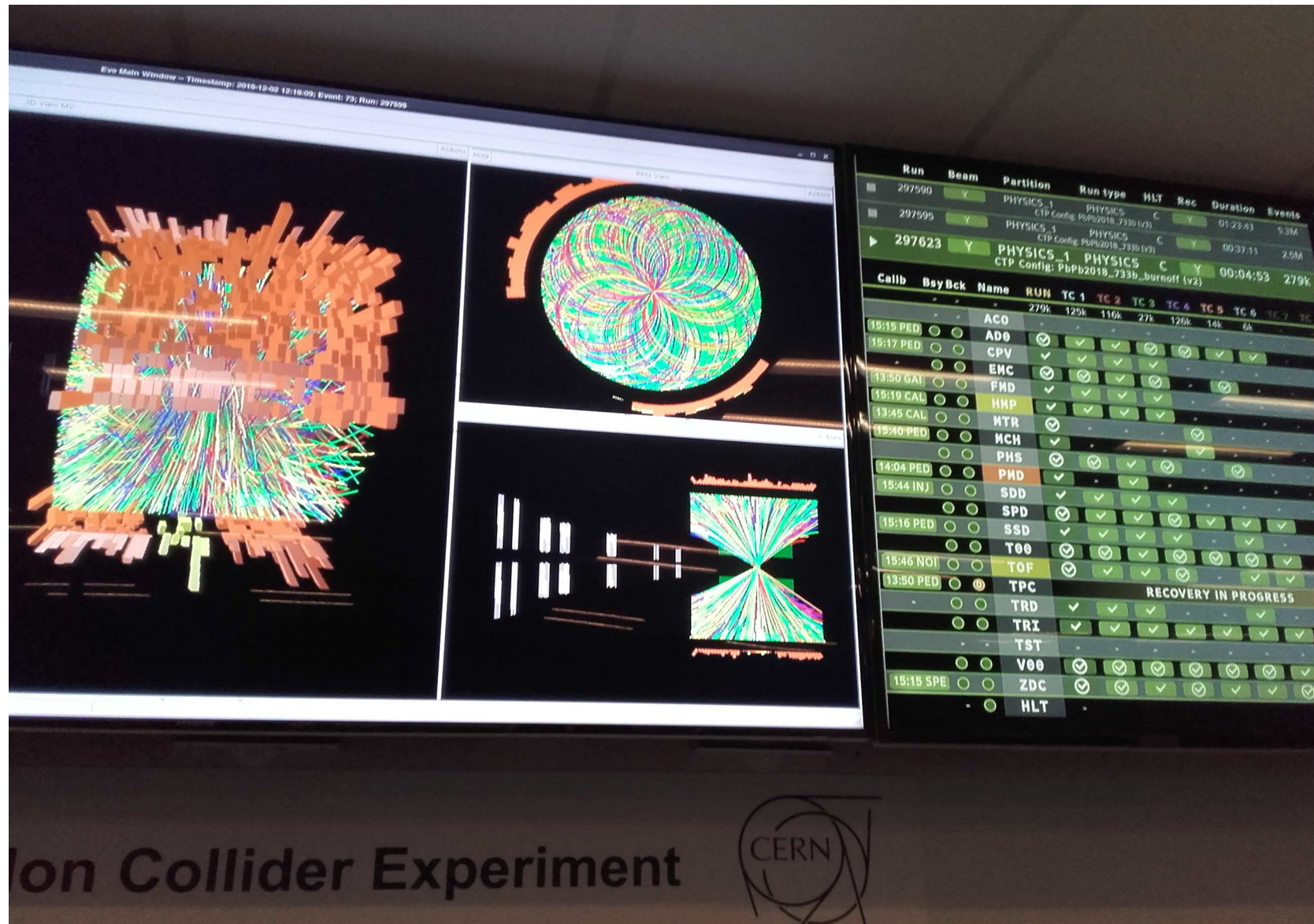
# Last run 297624 2/12



Nominal performance, large incompletes was not the issue



# Quite stable TRD operation allowed quite smooth data taking

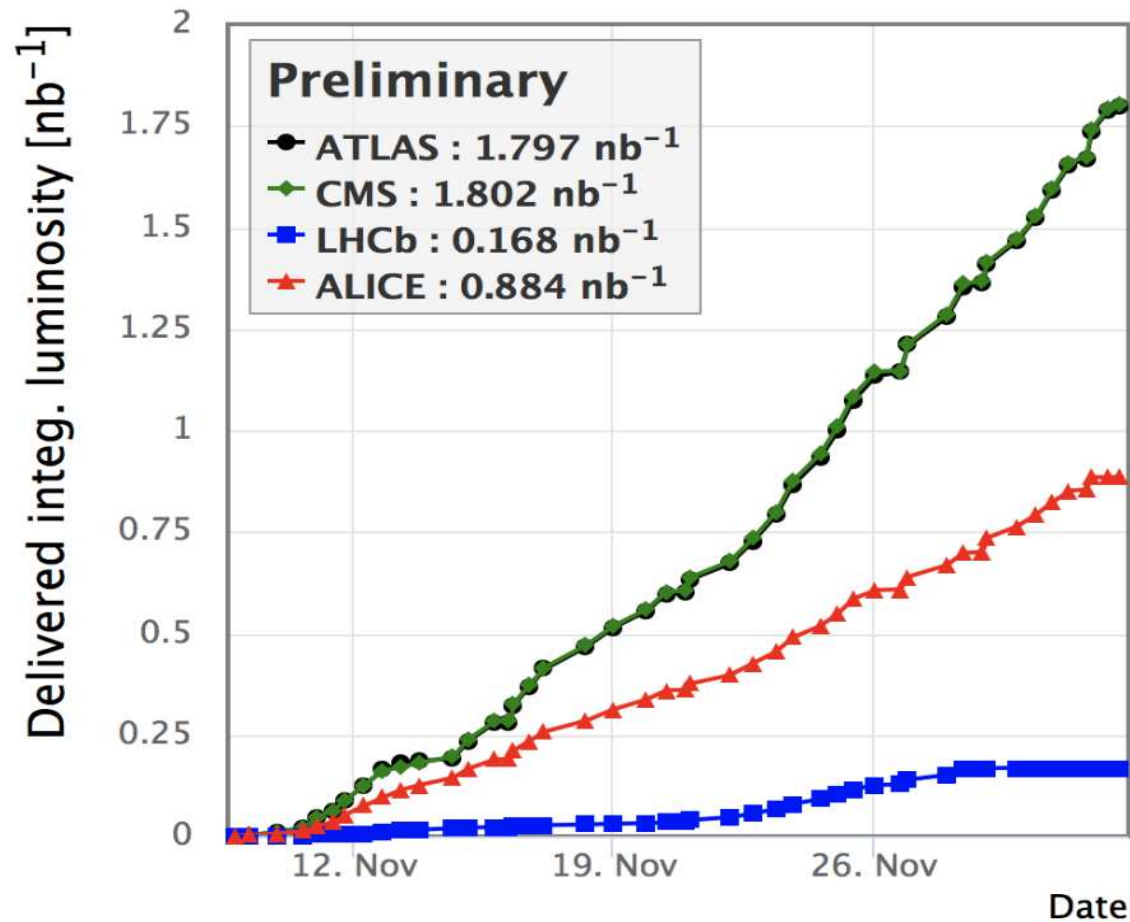


Analysis can be started with accumulated in PbPb collisions

150 M min.bias,

115 M semicentral(30-50%),  
130 M central events (0-10%)

(private discussion with Martino Gagliardi, preliminary)



(without two last fills)