



ALICE

# TRD weekly meeting

## week 38: 17 – 24 September 2018

- LHC operation
- TRD operation
- next steps
- comment on high lumi test

**Alexander Borissov, Münster University, CERN, 24.09.2018**

# LHC operation

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 (%)
7213	Yes	25ns_1227b_1214_1054_1102_144bpi_14inj	24/09/2018 03:47:43	24/09/2018 08:29:16	04:41:33	04:17:35	00:01:04	00:06:18	91.49
7212	Yes	25ns_603b_590_524_542_48bpi_17inj	23/09/2018 20:22:45	24/09/2018 01:52:24	05:29:39	04:17:09	00:00:00	00:06:39	78.01
7211	Yes	25ns_75b_62_32_62_12bpi_9inj	23/09/2018 13:49:57	23/09/2018 17:17:34	03:27:37	02:51:50	00:00:00	00:10:54	82.76

- start data taking 23.09 at 14:00 with increasing number of bunches: 75, 600, 1200
- 2556b is planned for the next fill after short access

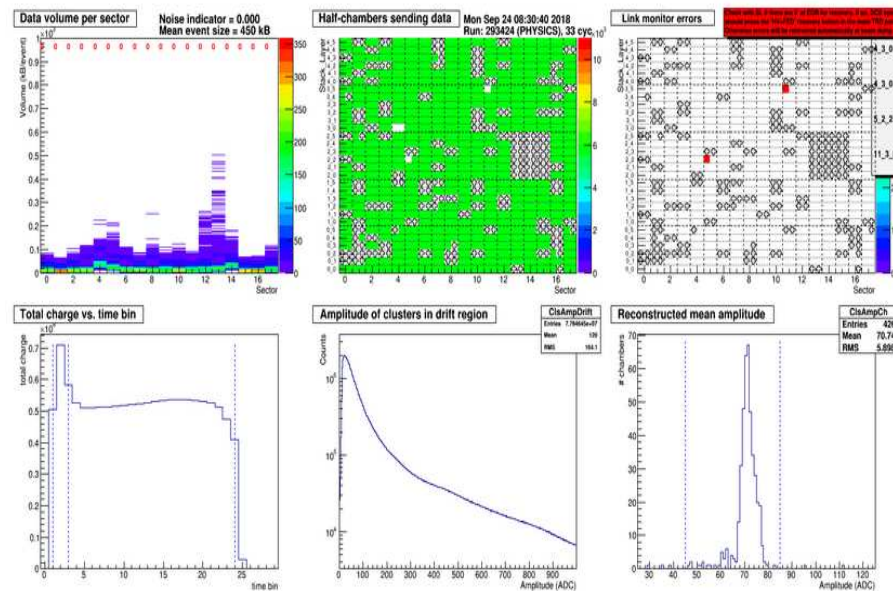
# replacement of the switch of multiplexer 18.09: old and new



Participants: Alexander, Jochen and Benjamin remotely

# tests, TRD cosmic runs and data taking

- test of TRD PHYSICS  $\longleftrightarrow$  COSMICS configurations from ACT was OK
- nginject tests for: 09-0-3, 09-3-0, 04-3-0, 05-2-2, 11-3-5  $\implies$  2 LMEs remain  
04-3-0 can not be configured to READY, as stuck during initialization  
 $\implies$  switch OFF for DQM plots
- Cosmic runs 293119, 293120  $\implies$  further increase of HV on 10 V
- last run 24.09:



## next steps

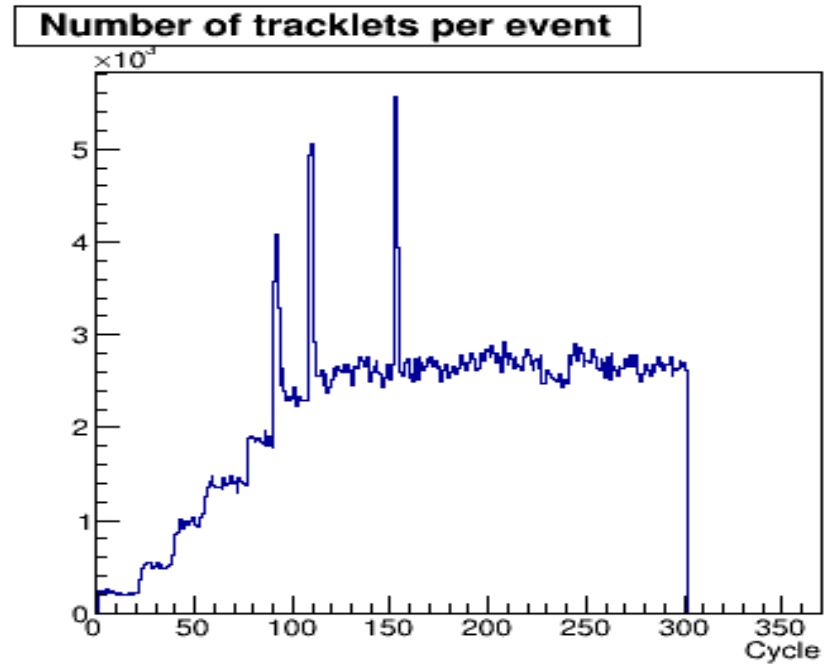
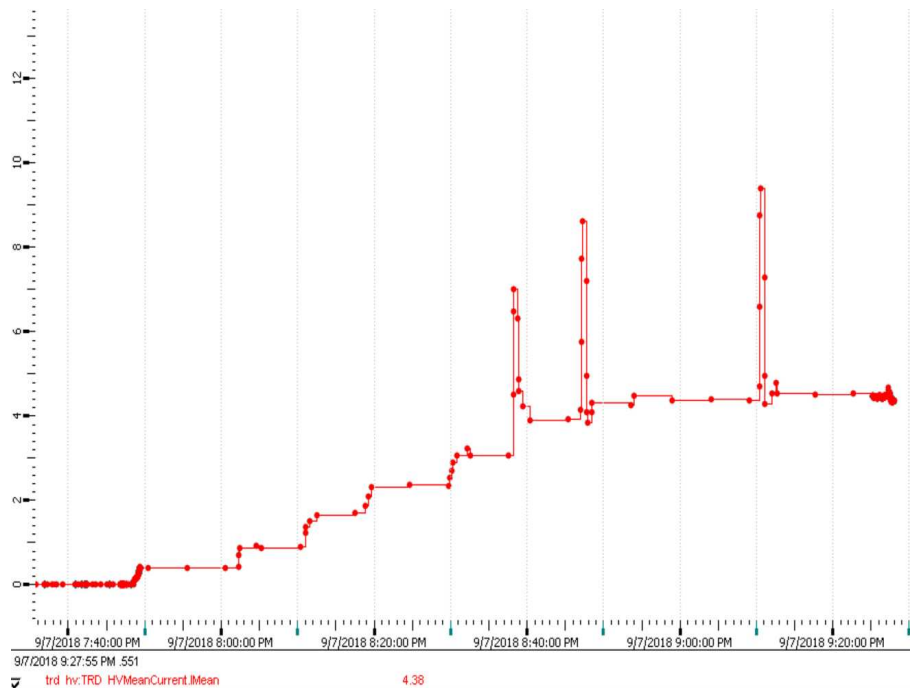
	July			Aug						Sep			
Wk	27	28	29	30	31	32	33	34	35	36	37	38	39
Mo	$\beta^* = 90\text{ m}$ run	9	16	23	30	6	13	★ 20	27	3	10	17	today
Tu													
We				MD 2								TS2	
Th										Jeune G.			
Fr											MD 3		
Sa													
Su													

- data taking during this week
- Thursday 27.09: test of new collimation scheme for high beta at injection  
Tuesday 2.10: ion cycle setup more optics corrections

**No booked TRD on-call shifts on 28–30 of September, from 31.10, but need one at least on 30.09**

**No booked TRD HV on-call shifts on 28.09 –10.10, 15.10 – 21.10, from 27.10**

# 7.09, fill 7135, run 292359: EMCAL, TRD # of tracklets, TRD average anode current, A4-0-5



Yvonne normalised the average anode current by the current seen at 30 Hz/ $\mu\text{barn}$   
colour: average anode current, black: A4-0-5  
 $\Rightarrow$  both currents match well

