

# Highlights from online analysis

Dubna Online Analysis team (JINR)  
Weekly meeting 20.07.18

# Run 284437

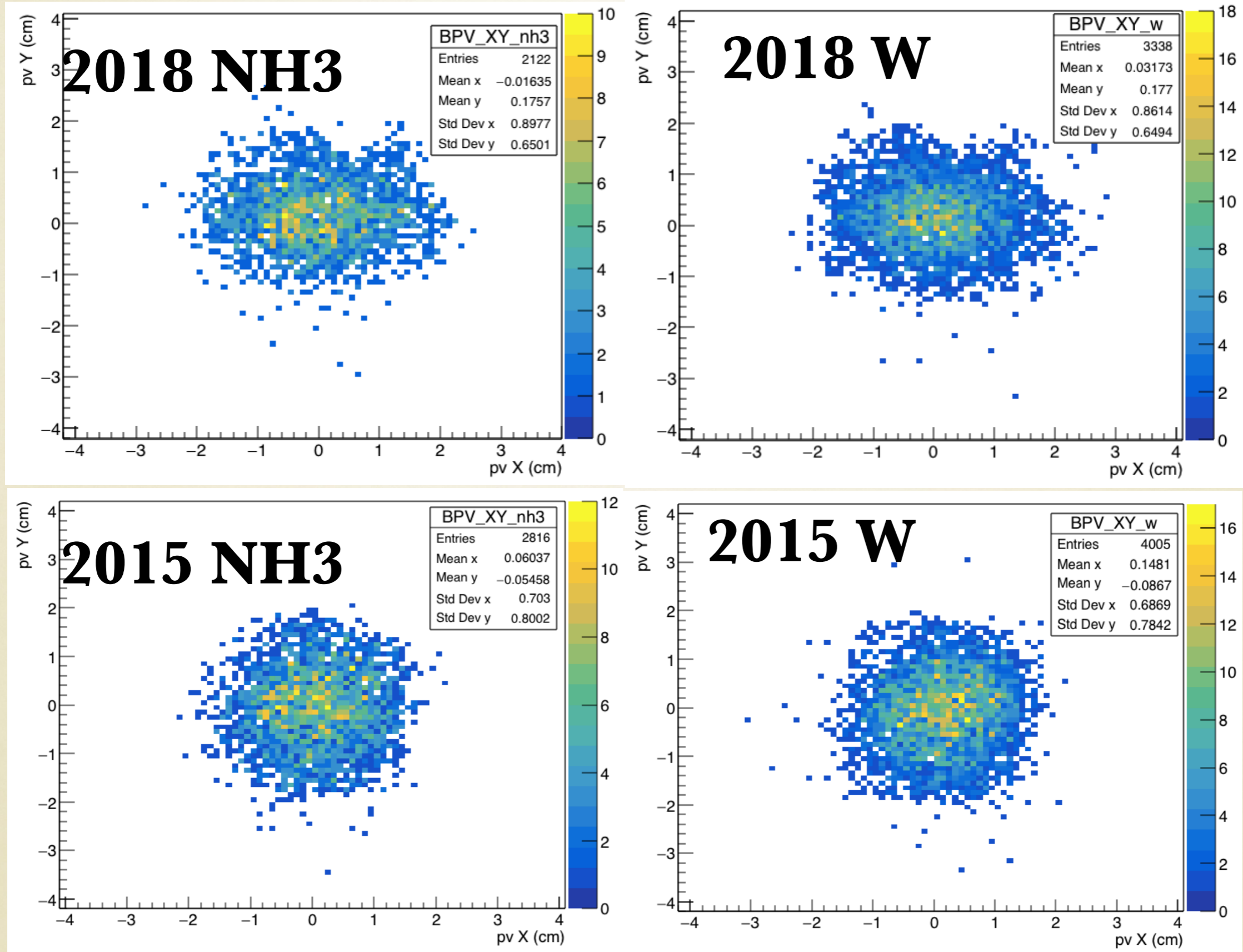
**1 missing port on DC01V and two missing ports on DC04X1**

## Prescaler setup for run 284437

Trigger element	Short name	Division factor	In rate (1st spill)	Out rate (1st spill)
Dimuon Trigger (Middle and LAS)	MLAST	1	2881	2881
One muon Middle Trigger	MT	0	192065	0
Dimuon Trigger (Outer and LAS)	OLAST	1	6972	6972
One muon Outer Trigger	OT	0	172518	0
Calorimeter Trigger	CT	120	2304079	19201
Inner Veto	VI	0	15671521	0
Halo Trigger (H2 AND H4Outer)	Halo	0	1503917	0
Beam Trigger	BT	0	58593415	0
Dimuon Trigger LAS	LASLAST	1	112450	112450
One muon Trigger LAS	LAST	0	764418	0
True Random	TRand	1	22632	22632
Noise Random	NRand	0	434099	0

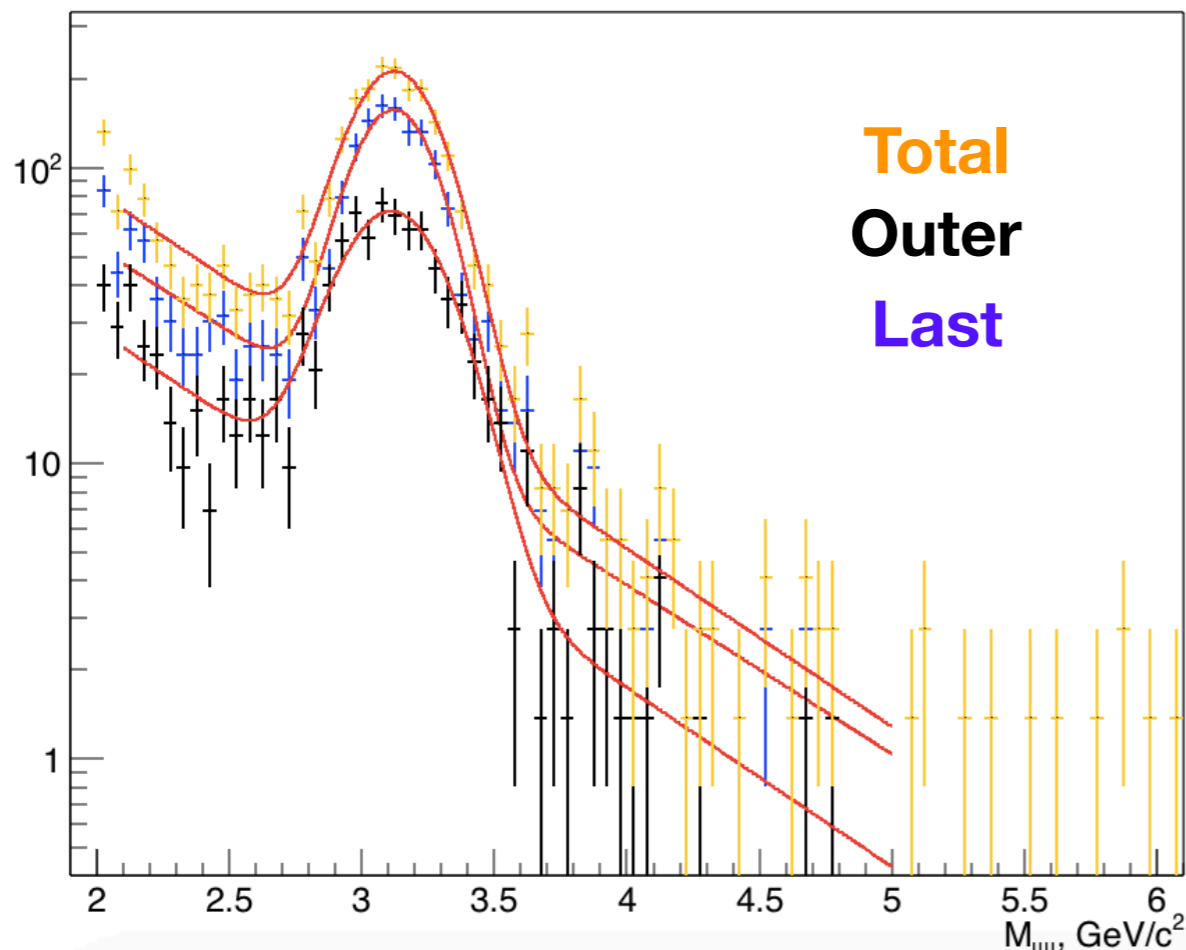
**Please inform us about new alignment/detectors.dat. Otherwise we need to process almost the same several times (takes time, computer resources, etc...).**

# Vertex reconstruction



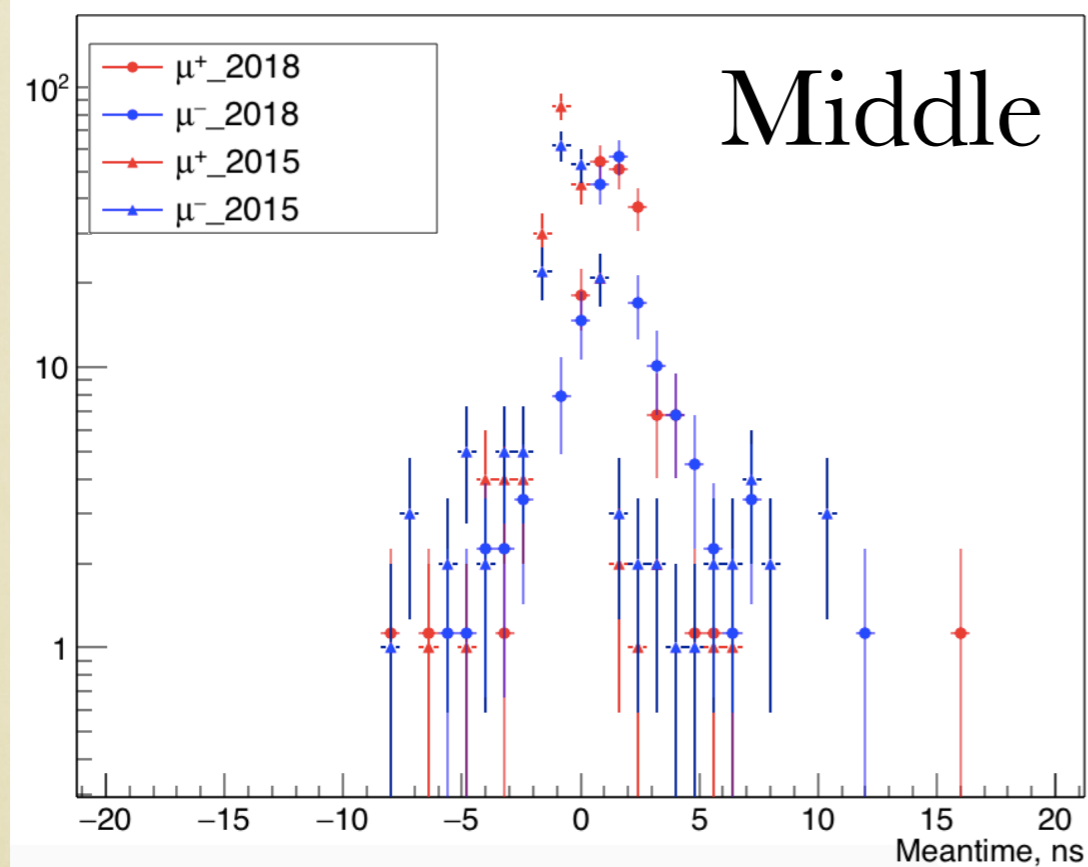
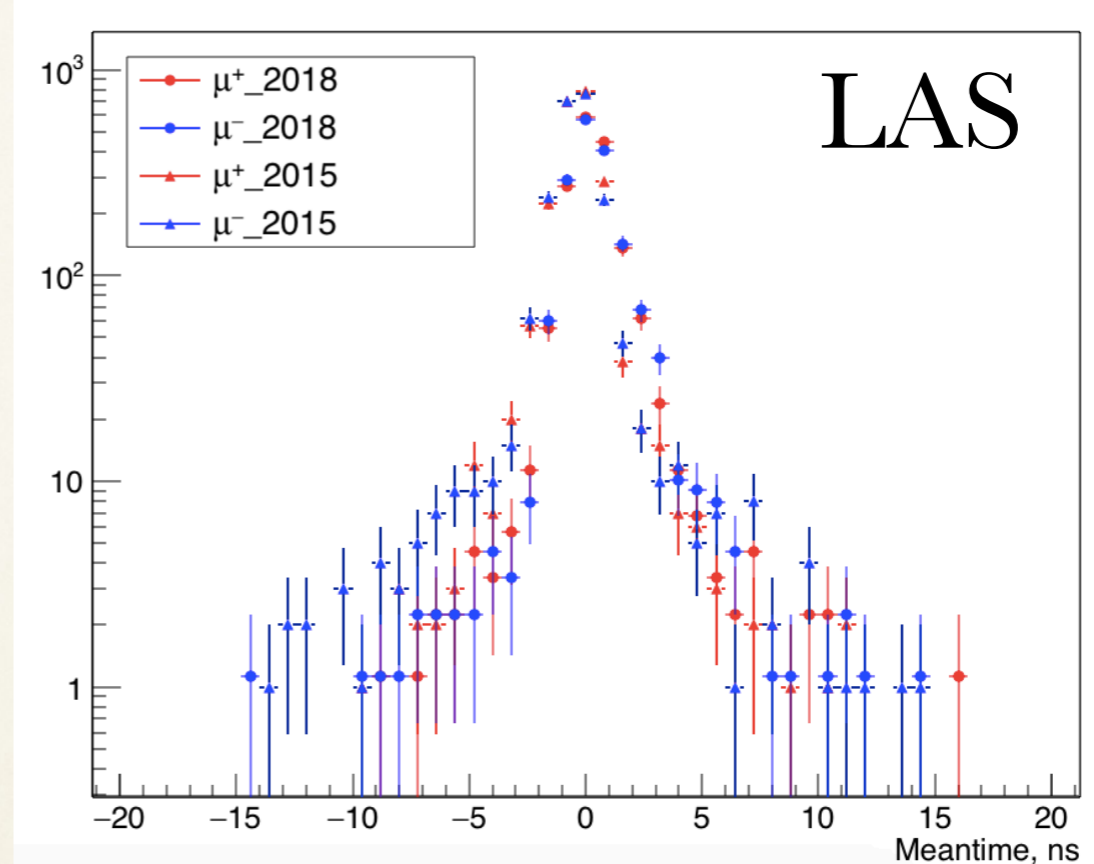
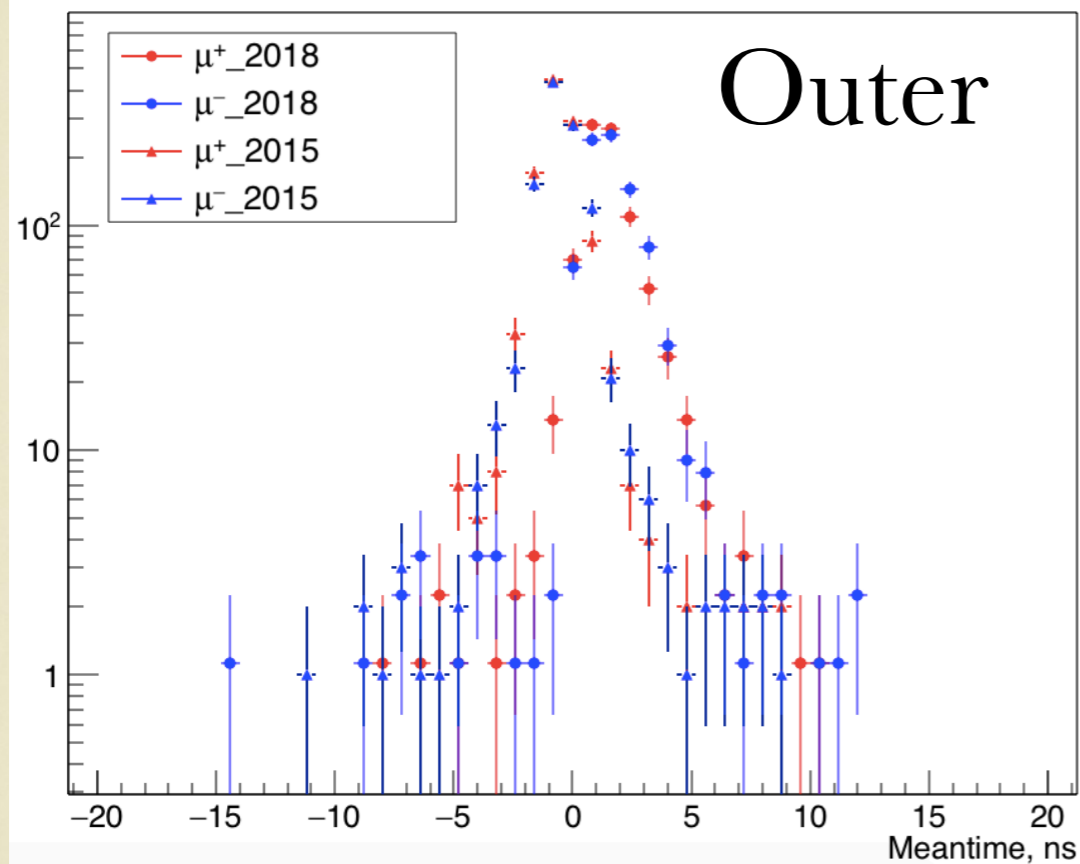
# J/psi production

	N(2018)	M(2018)	Sigma (2018)	N(2015)	M (2015)	Sigma (2015)
LAS-Outer	632 ± 30	3.12 ± 0.01	0.193 ± 0.001	666 ± 34	3.122 ± 0.008	0.176 ± 0.009
LAS-LAST	1152 ± 40	3.123 ± 0.006	0.158 ± 0.006	1301 ± 46	3.134 ± 0.005	0.159 ± 0.006
Total (fit)	1670 ± 48	3.126 ± 0.005	0.17 ± 0.005	1845 ± 55	3.132 ± 0.005	0.166 ± 0.005



- Normalizations to the flux and unprocessed data are done.
- Problems with OT?

# Muon track meantime



- Cut on BDM now is applied.
- Clearly visible shift, but more statistics needed.

# Run 284622

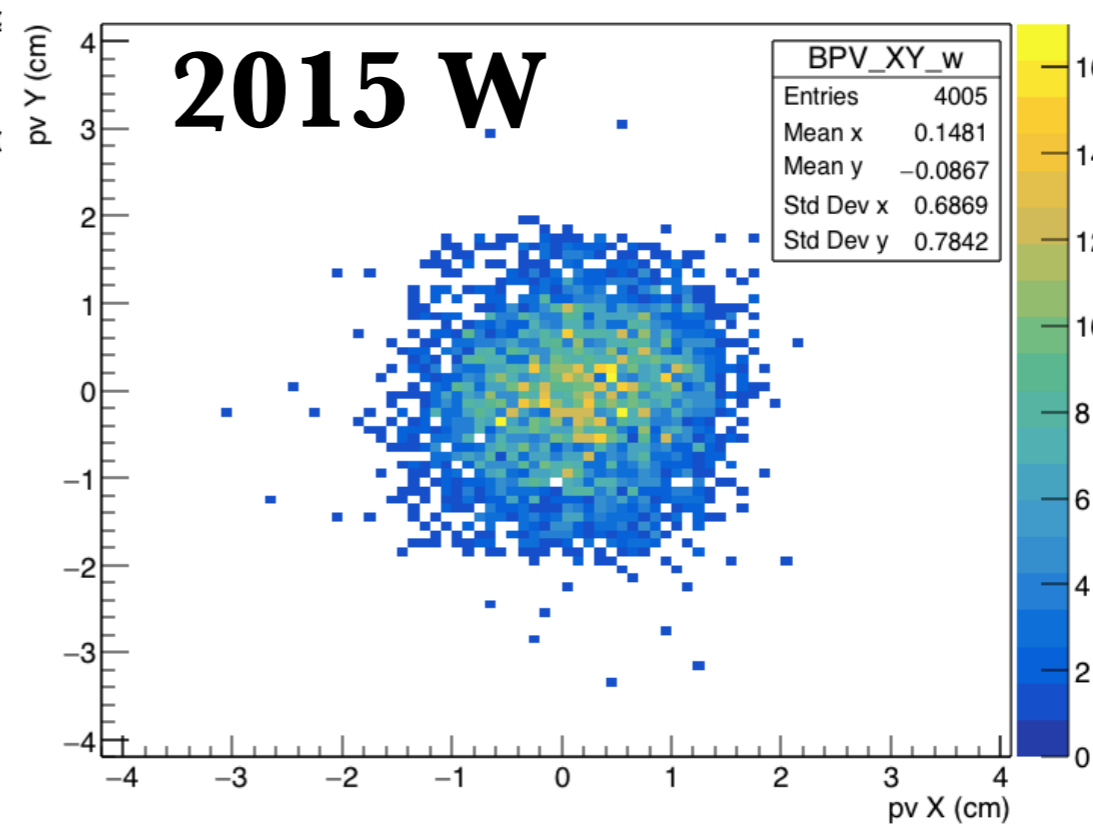
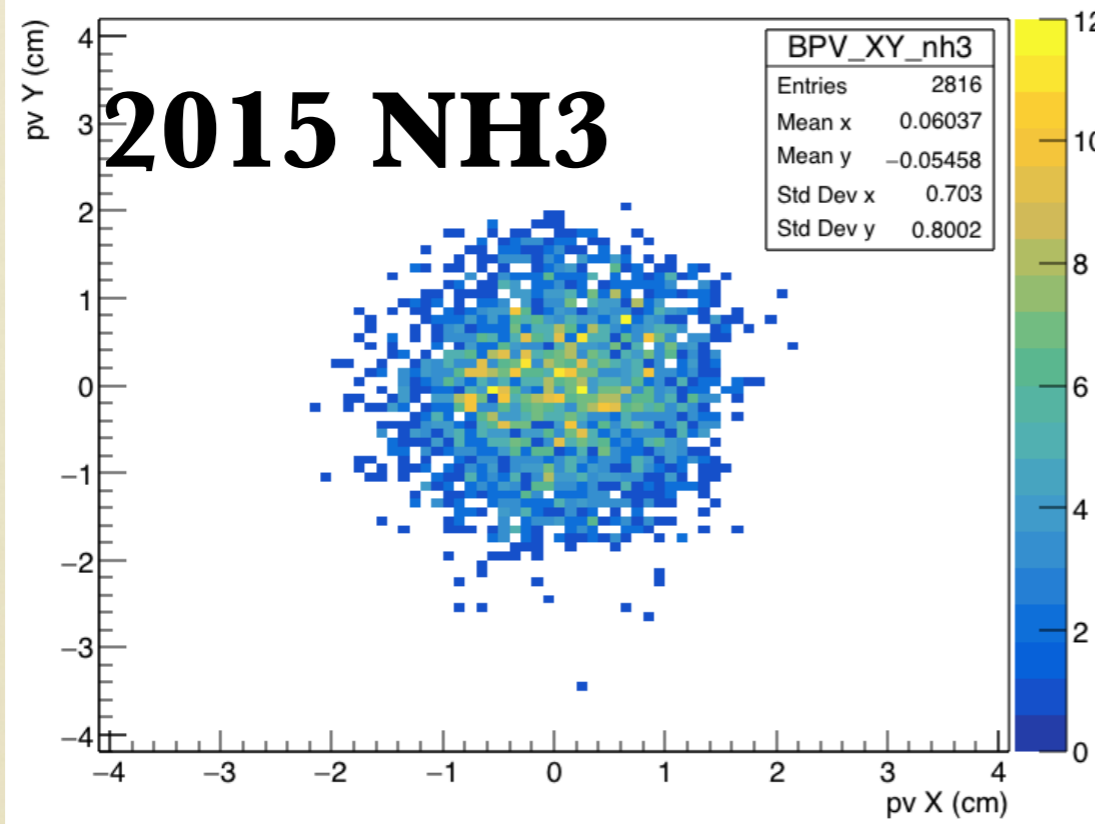
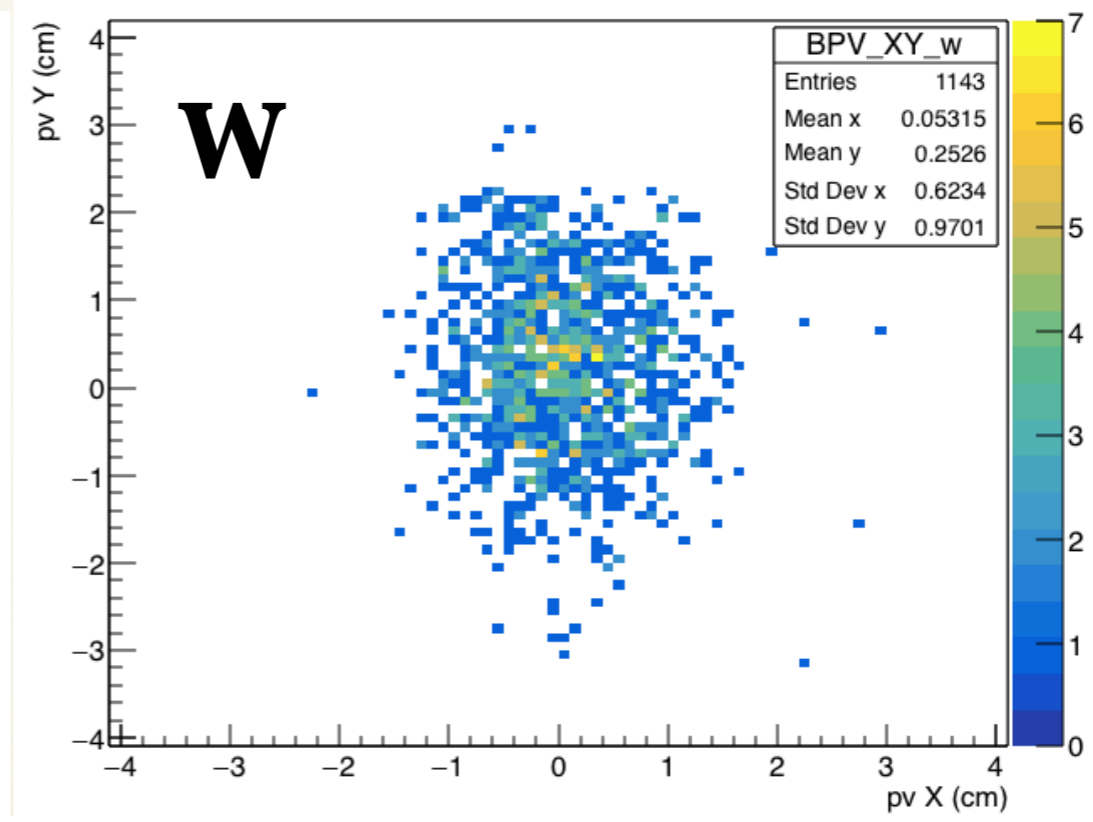
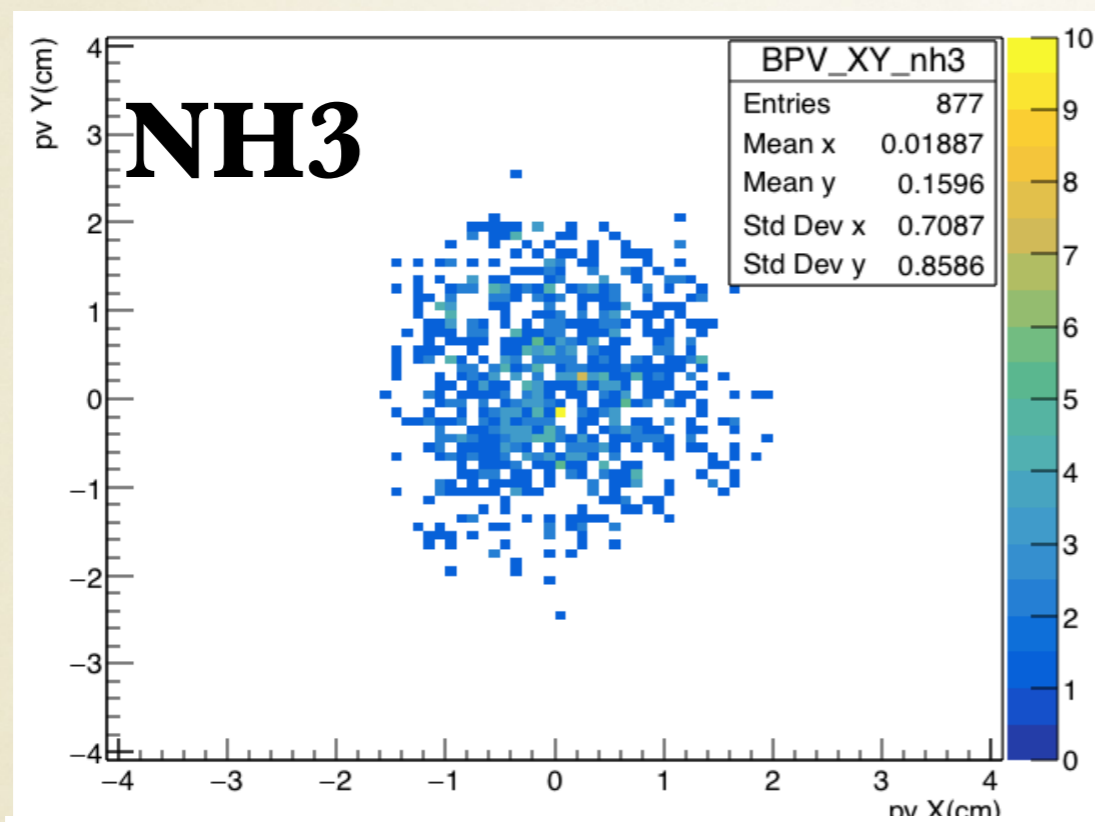
## Beam test and new beam settings

### Prescaler setup for run 284622

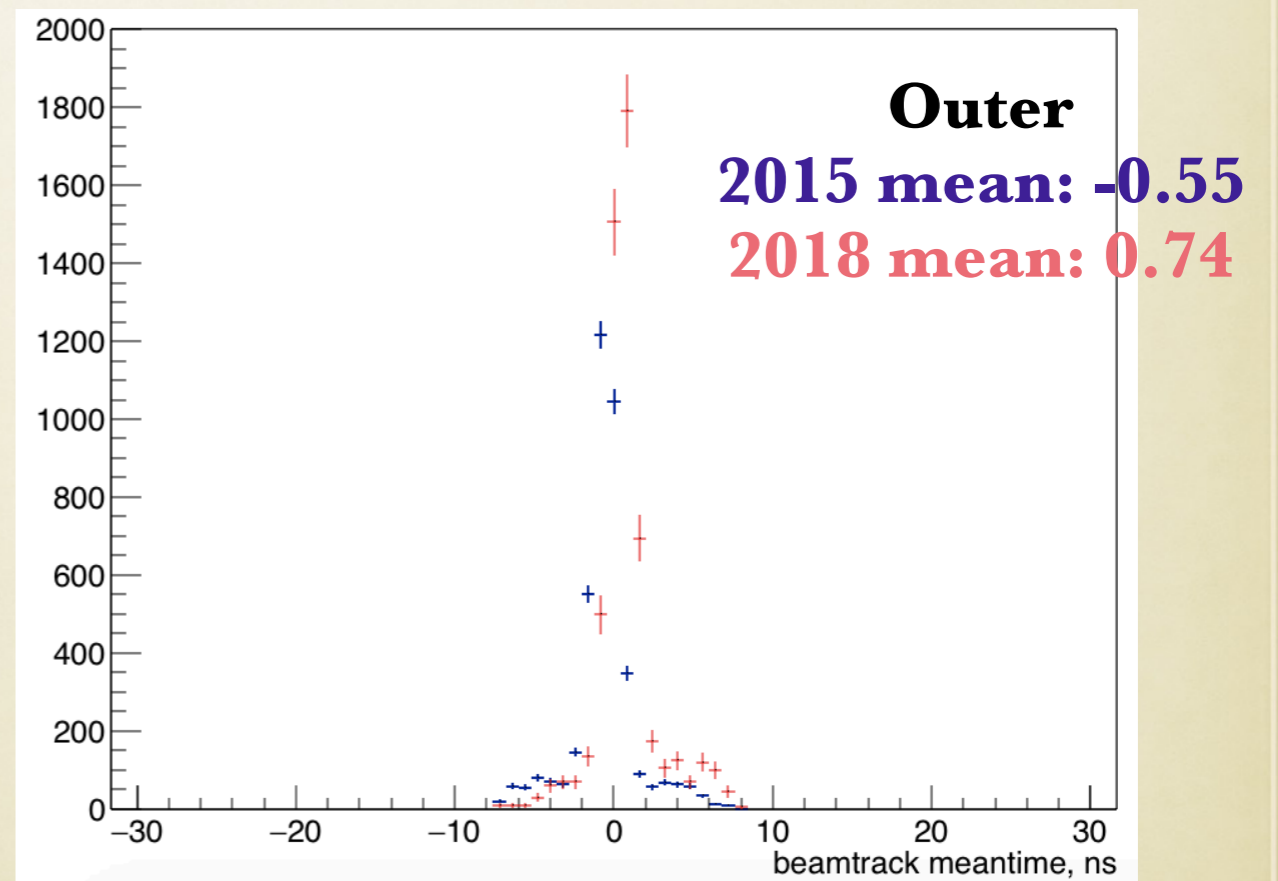
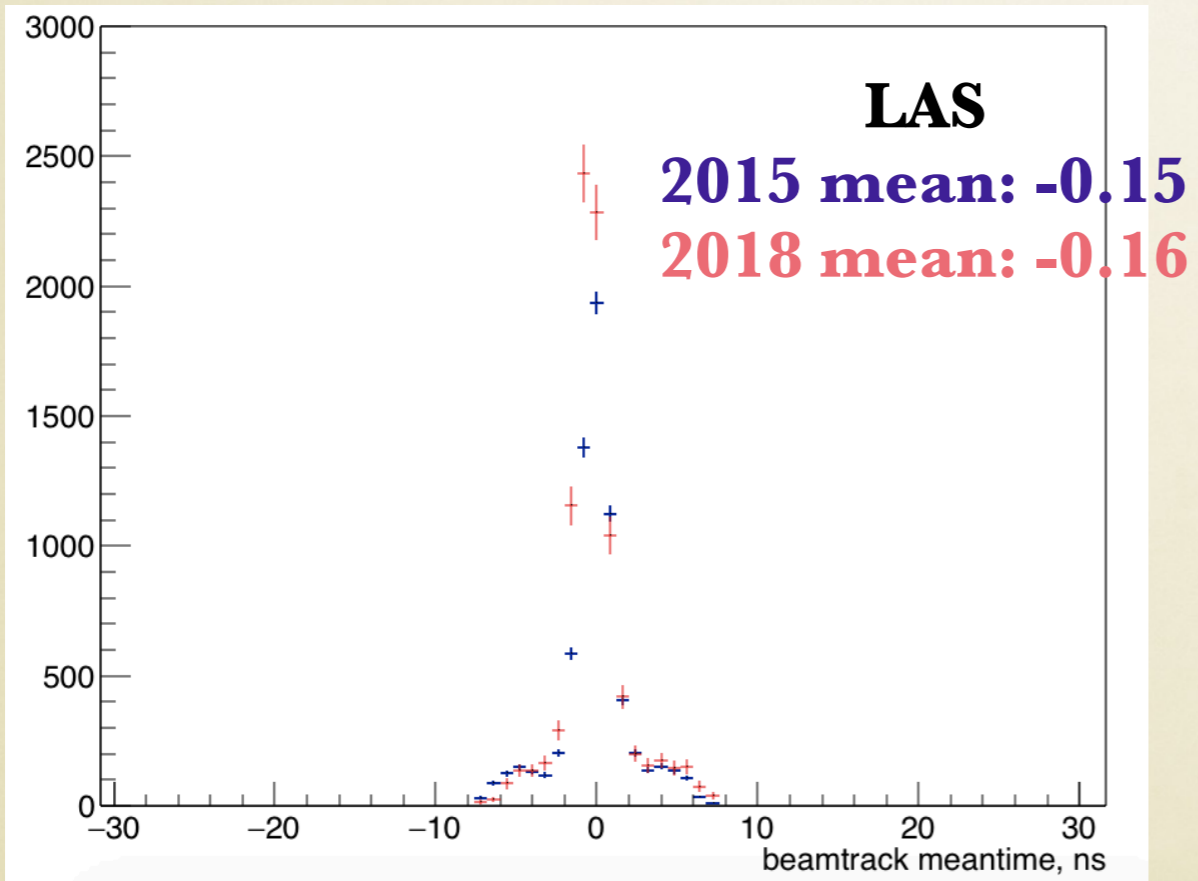
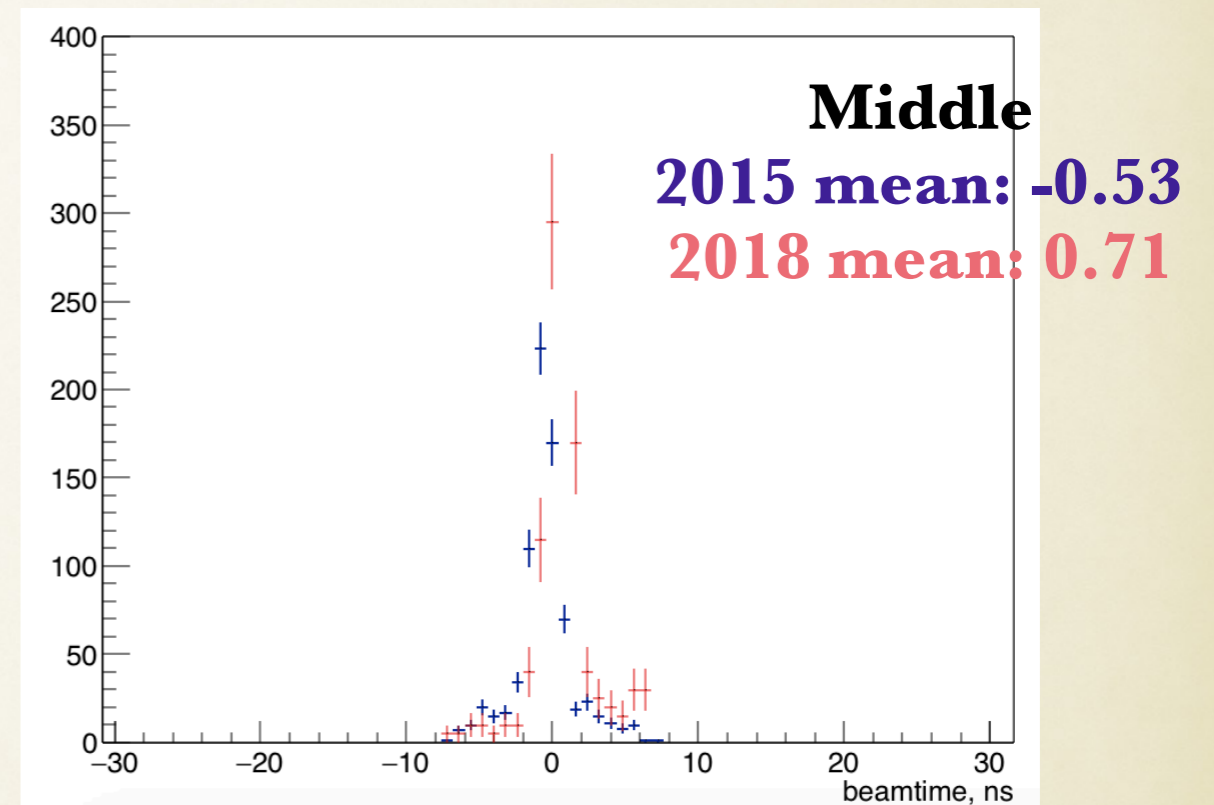
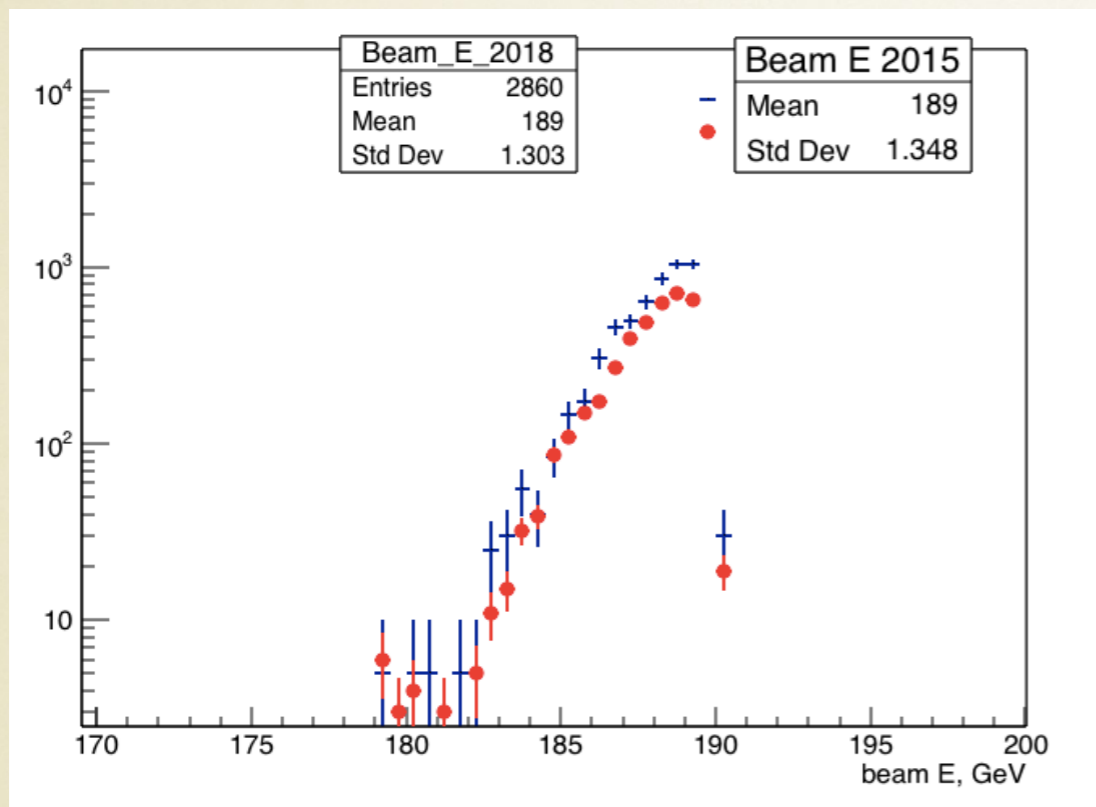
Trigger element	Short name	Division factor	In rate (1st spill)	Out rate (1st spill)
Dimuon Trigger (Middle and LAS)	MLAST	1	0	0
One muon Middle Trigger	MT	0	0	0
Dimuon Trigger (Outer and LAS)	OLAST	1	0	0
One muon Outer Trigger	OT	0	0	0
Calorimeter Trigger	CT	120	1370	12
Inner Veto	VI	0	0	0
Halo Trigger (H2 AND H4Outer)	Halo	0	7	0
Beam Trigger	BT	0	561	0
Dimuon Trigger LAS	LASLAST	1	0	0
One muon Trigger LAS	LAST	0	0	0
True Random	TRand	1	16951	16951
Noise Random	NRand	0	265489	0

Run reconstructed with detectors\_284068.dat

# Vertex reconstruction



# beam track energy & time





# Beam angles

