

Highlights from the online analysis

Dubna Online Analysis team
Weekly meeting 6.07.18

Who is doing what

- Andrei Maltsev - data processing
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- Evgenii Mitrofanov - pseudo efficiencies
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- Andrei Gridin - J/psi production and other data analysis
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Please don't hesitate to ask for any data reconstruction and interesting for you analysis plots.

Run 284223

284223 03 July 2018, 03:10 04:11 200 drell-yan Good Prob. MLAST, OLAST, CT, LASLAST, TRand DY : DC4 srcID 259 errors

Prescaler setup for run 284223

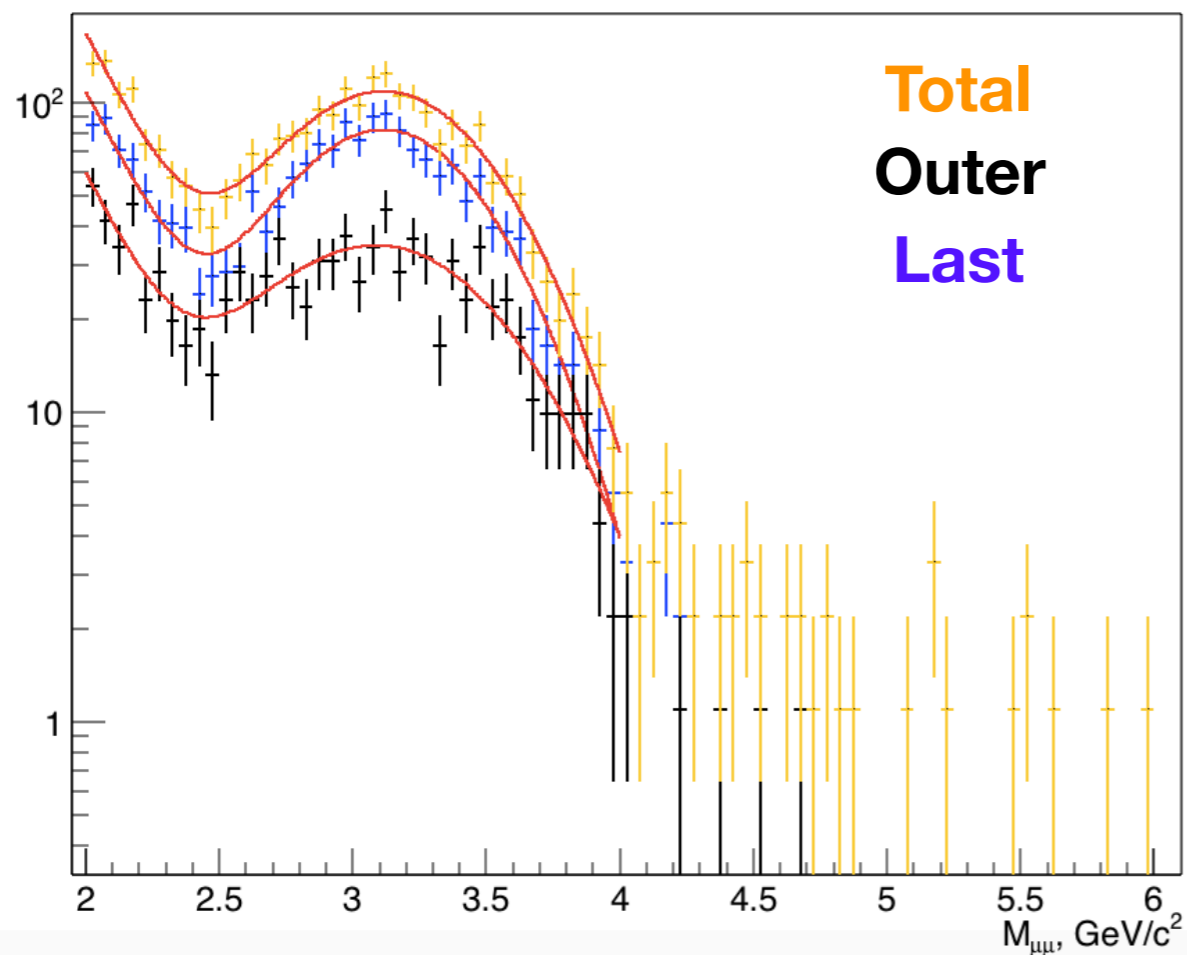
Trigger element	Short name	Division factor	In rate (1st spill)	Out rate (1st spill)
Dimuon Trigger (Middle and LAS)	MLAST	1	3473	3473
One muon Middle Trigger	MT	0	201066	0
Dimuon Trigger (Outer and LAS)	OLAST	1	10116	10116
One muon Outer Trigger	OT	0	427687	0
Calorimeter Trigger	CT	120	2307810	19232
Inner Veto	VI	0	17619090	0
Halo Trigger (H2 AND H4Outer)	Halo	0	1593540	0
Beam Trigger	BT	0	58422397	0
Dimuon Trigger LAS	LASLAST	1	122690	122690
One muon Trigger LAS	LAST	0	826877	0
True Random	TRand	1	22360	22360
Noise Random	NRand	0	434055	0

Problems with:

- DC04
- Straws
- RICH

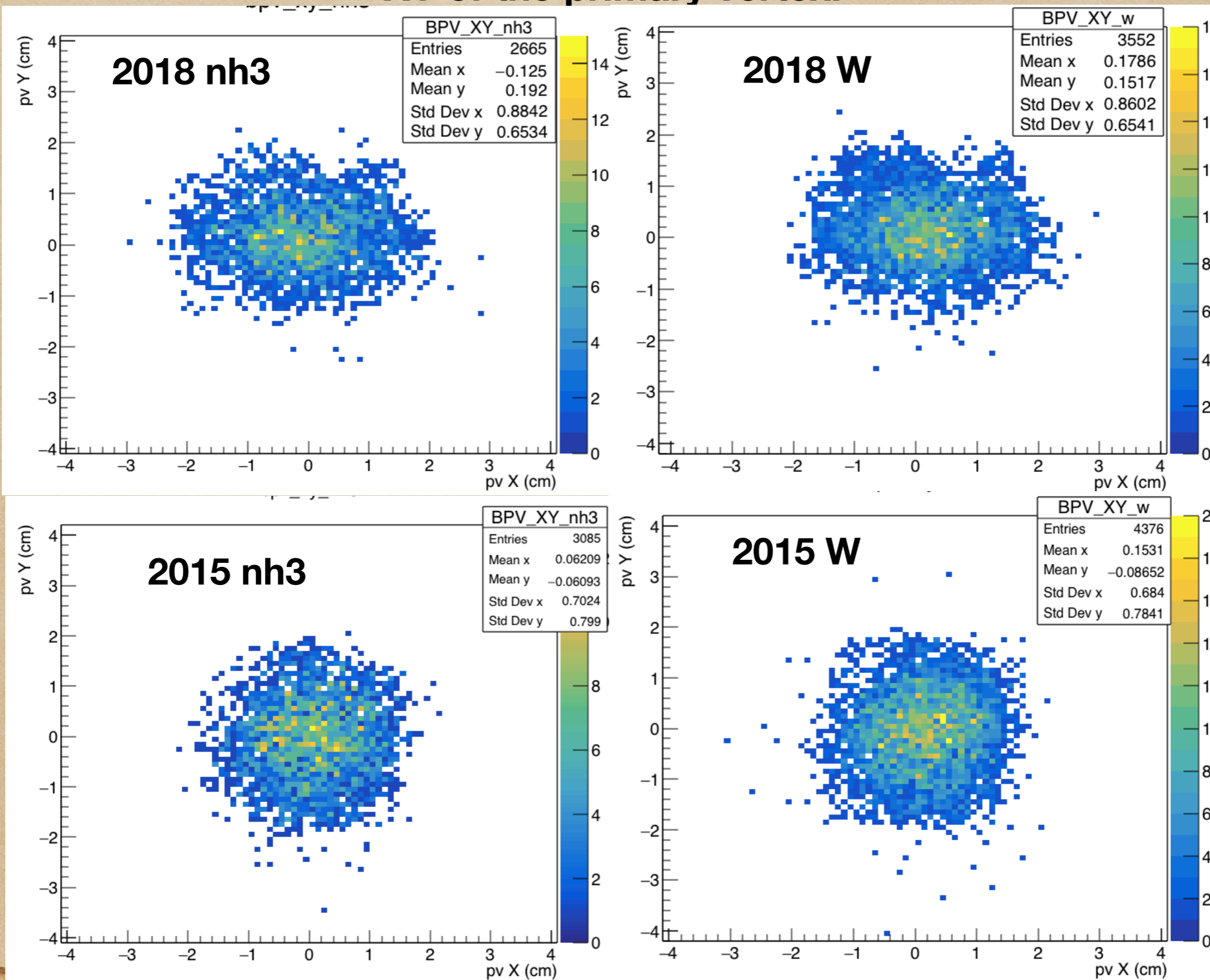
J/ ψ reconstruction (in NH3)

	N(2018)	M(2018)	Sigma (2018)	N(2015)	M (2015)	Sigma (2015)
LAS-Outer	739 ± 52	3.103 ± 0.035	0.433 ± 0.03	666 ± 34	3.122 ± 0.008	0.176 ± 0.009
LAS-LAST	1378 ± 54	3.123 ± 0.015	0.356 ± 0.012	1301 ± 46	3.134 ± 0.005	0.159 ± 0.006
Total (fit)	2025 ± 71	3.125 ± 0.015	0.378 ± 0.012	1845 ± 55	3.132 ± 0.005	0.166 ± 0.005



Other results

XY of the primary vertex:



Other results: track meantime

