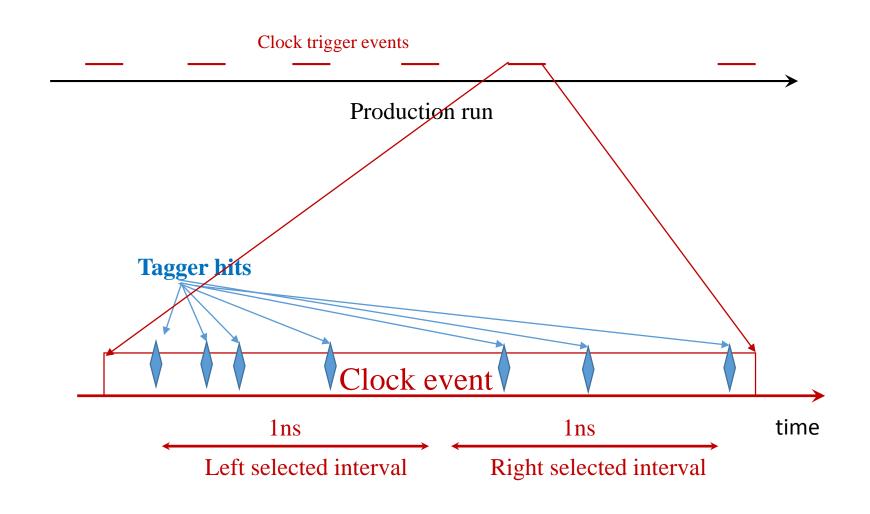
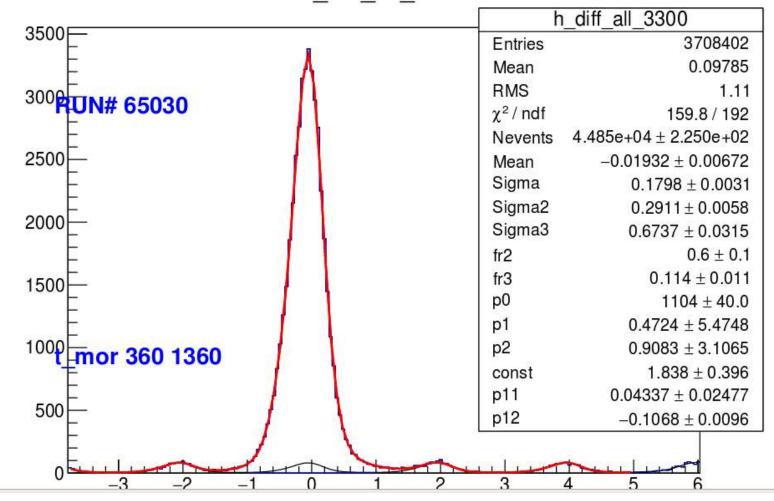
Relative tagging ratio analysis update

Ilya & Victor

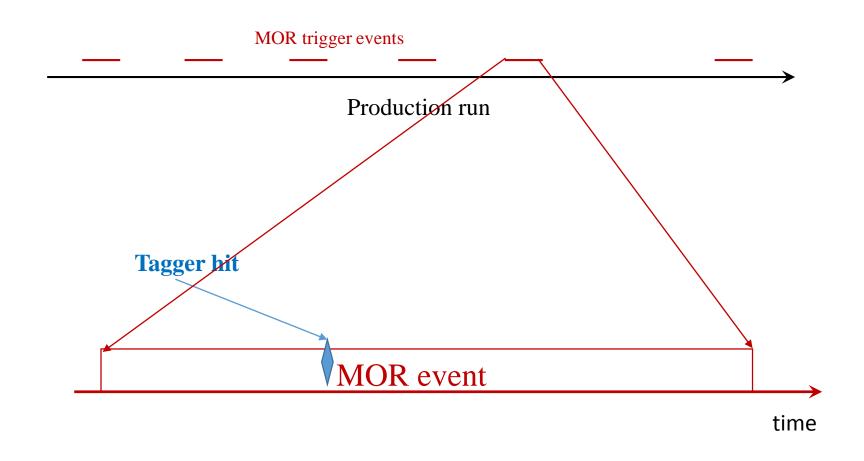
Counting coincidences between Tagger and PS: Production run



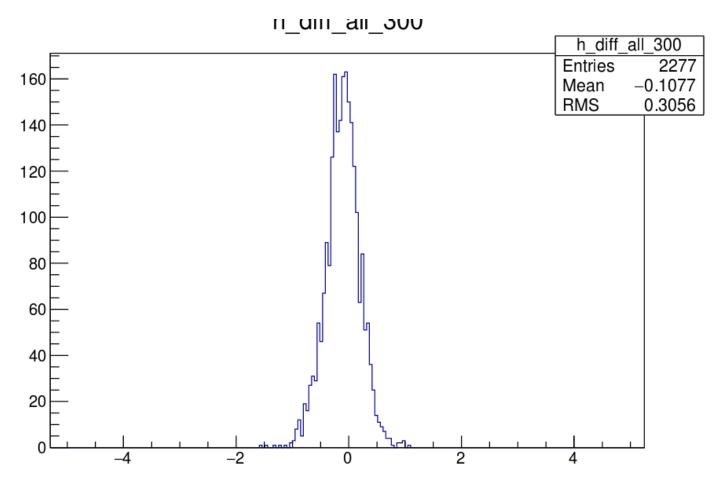
Tagger hit time minus PS reconstruction time: production run



Counting coincidences between Tagger and PS: TAC run

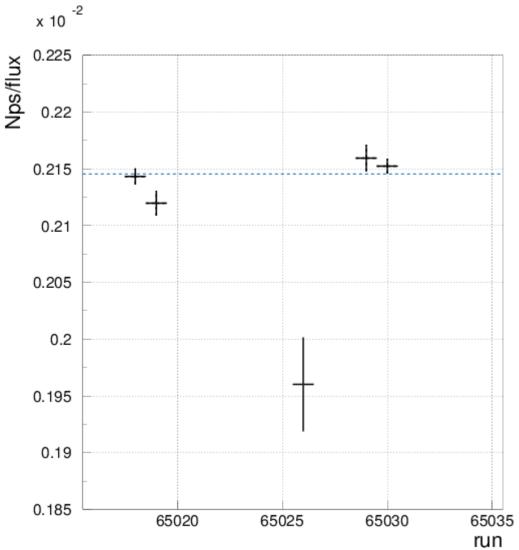


Tagger hit time minus PS reconstruction time: TAC run



N(PS) / N(tagger): 4 production carbon run and one TAC carbon run

- TAC run 4.4 sigma down vs adjacent production runs
- Rel. tag. Ratio defined this way could be (more) stable or possibly usable



Considering other runs to analyze:

64995		50?	11.3	old	61	hall-A off, beam current	87.80(15)	96.03(5)	97.34(3)
						increased in the middle	101		
64996		110?	3.8	old	61	hall-A off, TAC 5 cm lower	87.08(13)	95.91(4)	97.46(3)
64997		60?	10	old	61	HV 1900V	86.95(10)	95.92(3)	97.35(2)
65022		100	4.2	new	61	HV 1700V, ADC overflow	86.61(18)	95.12(5)	96.65(4)
65023		100	2.4	new	61	HV 1610V	87.31(19)	95.67(6)	96.81(4)
65025		100	10.5	new	61	~~~	86.83(10)	95.89(3)	96.81(3)
65026	$^{\rm C}$	100	25	new	61		82.29(8)	90.74(4)	92.02(3)
65060		100	1.3	new	19	hall-A 3μA, hall-C 50μA	86.36(7)	95.35(4)	96.80(3)
65061	\mathbf{C}	100	1.4	new	19		80.79(15)	89.60(8)	90.78(8)
65063	Si	100	1.7	new	19	hall-A 3μ A, ~~~	80.16(10)	89.44(5)	90.52(4)
65064		100	0.9	new	19	hall-A off, hall-C 50µA	85.79(10)	94.87(4)	96.41(3)
65098		100	5.7	new	38	hall-A 3µA, hall-C off	86.49(8)	95.83(3)	96.87(3)
65099		100	4.5	new	38	hall-A off, hall-C off	86.53(8)	95.52(3)	97.03(2)
65100	C	100	2.1	new	19	e+e-run with TAC	82.42(24)	91.27(13)	91.70(12)
65101	\mathbf{C}	250	4.1	new	19	e+e run with TAC	82.29(8)	90.89(6)	92.03(5)
65102	Si	250	4	new	19	e+e run with TAC	81.48(8)	90.02(5)	90.95(5)
65103		250	1.1	new	19	e+e run with TAC	86.23(11)	95.54(5)	96.65(4)
65104	Si	250	10.5	new	19	55	81.13(5)	89.68(4)	90.81(3)
65106	-	250	1.8	new	19		86.38(8)	95.53(4)	96.66(3)

 $[\]bullet$ Errors on last digit(s) are given in brackets: 90.00(12) means 90.00 ± 0.12 . Values for runs with target were highlighted

^{****} stands for unstable DAQ livetime