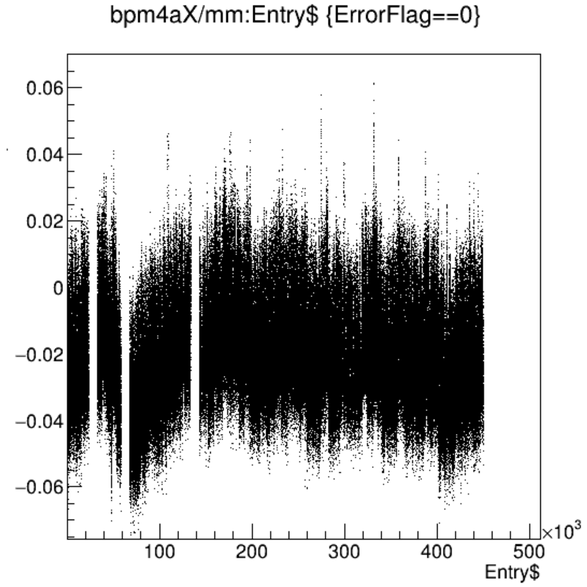

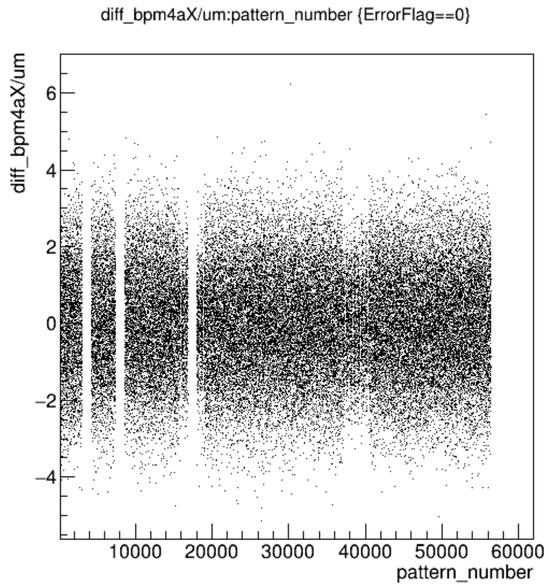

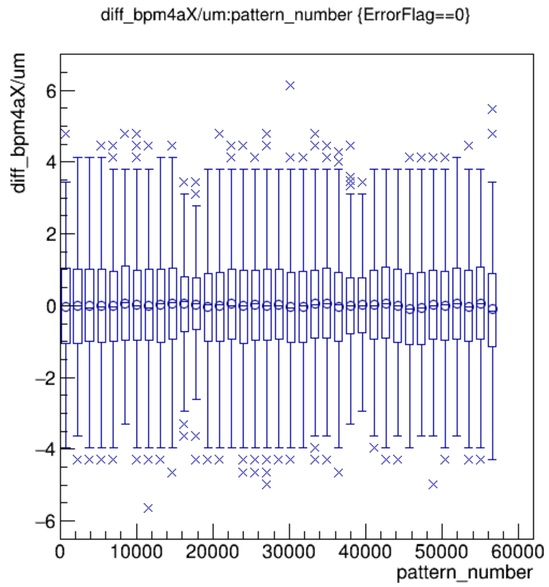

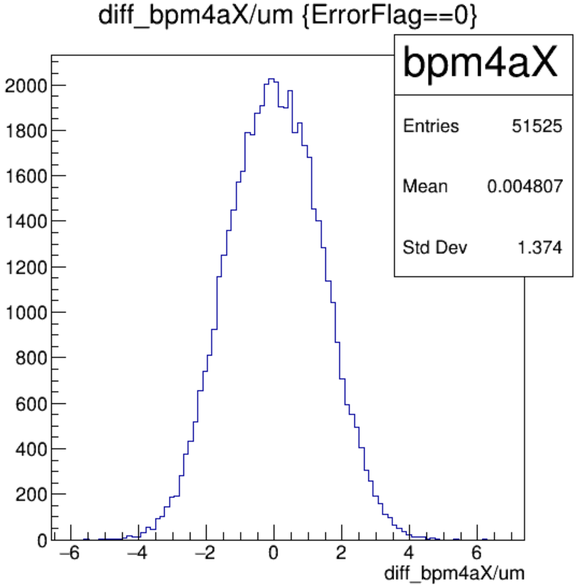

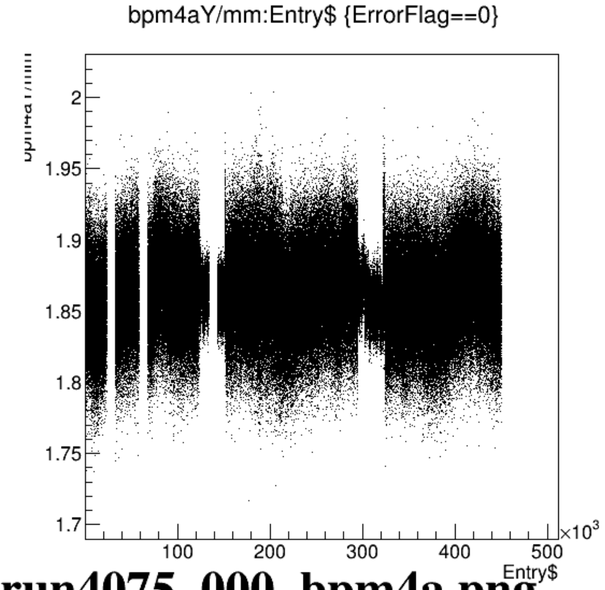

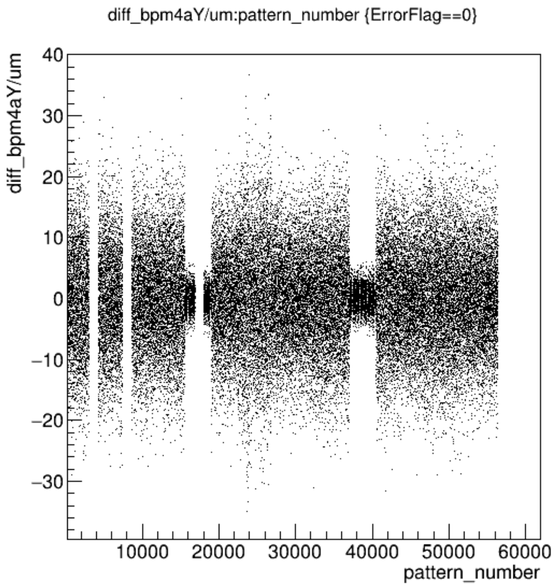

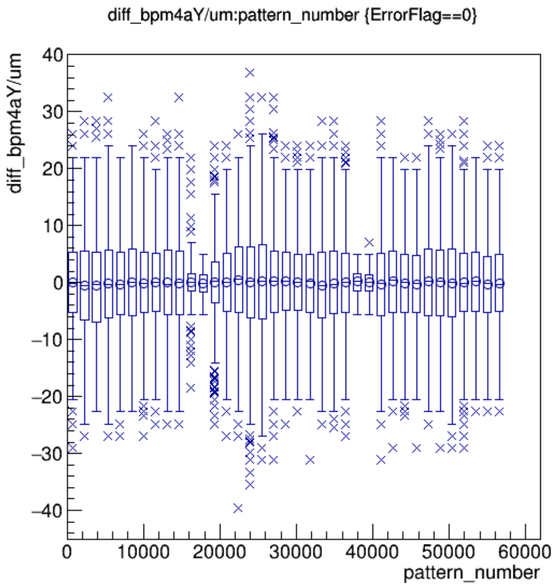

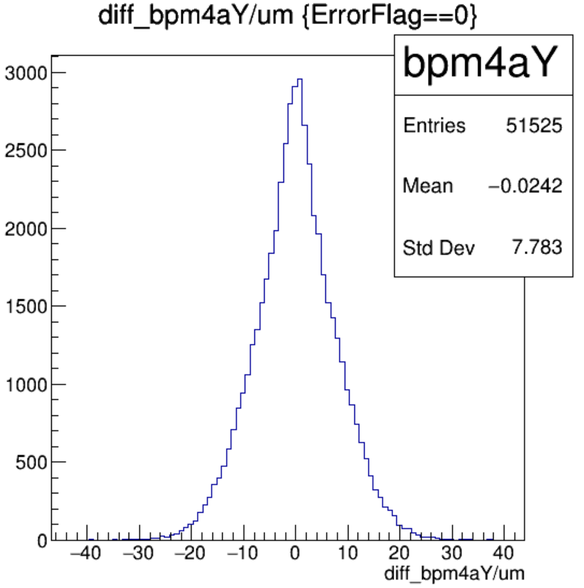

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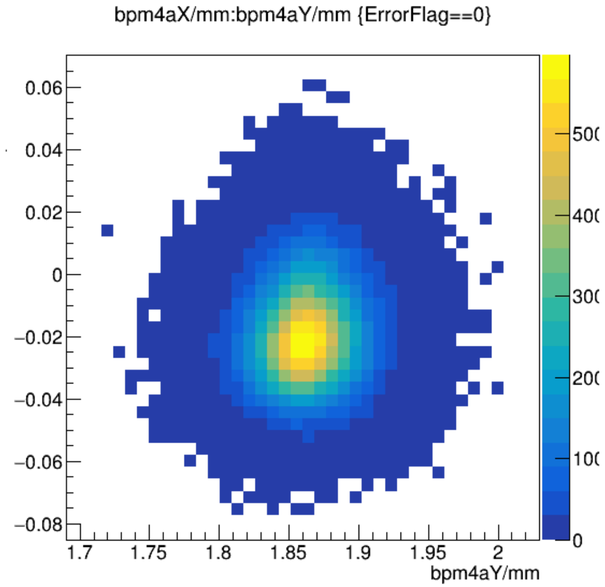

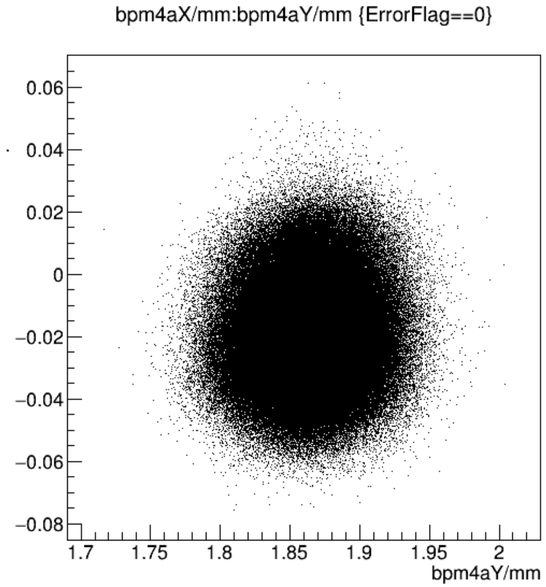

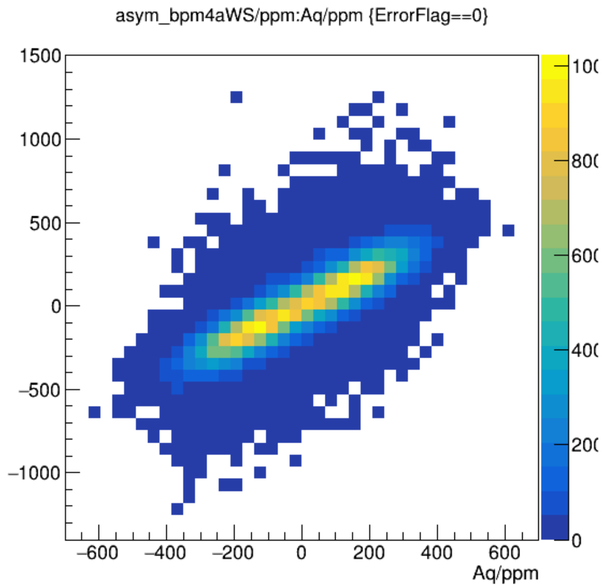

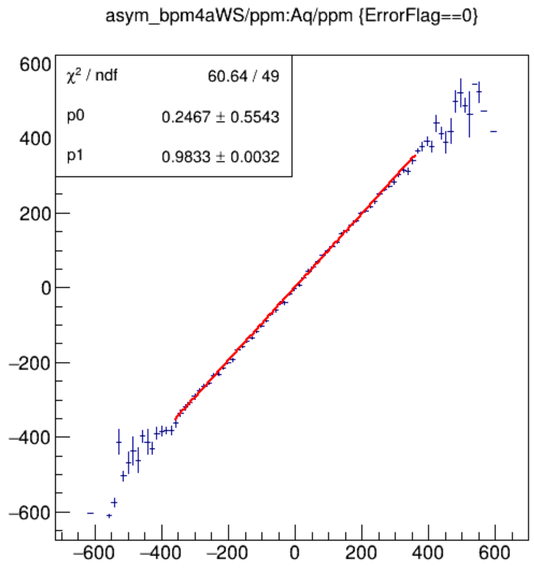

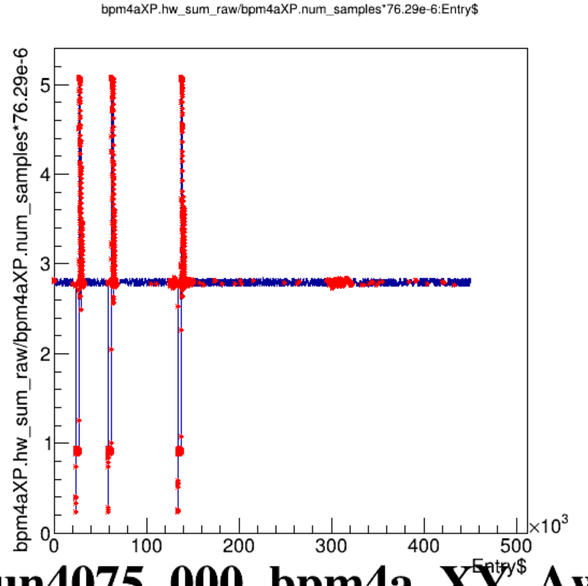

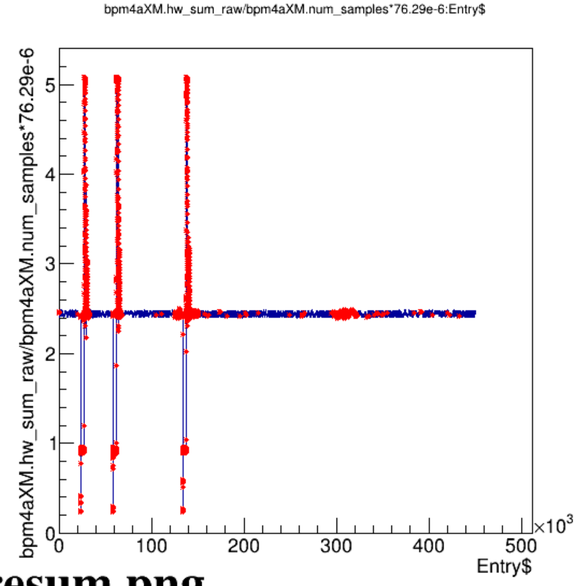

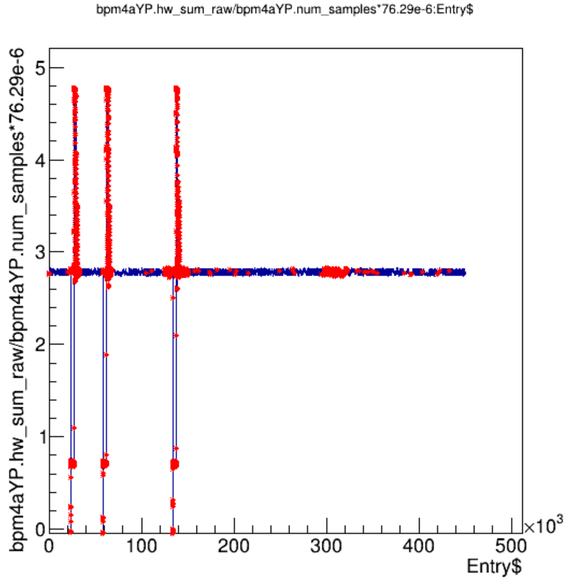

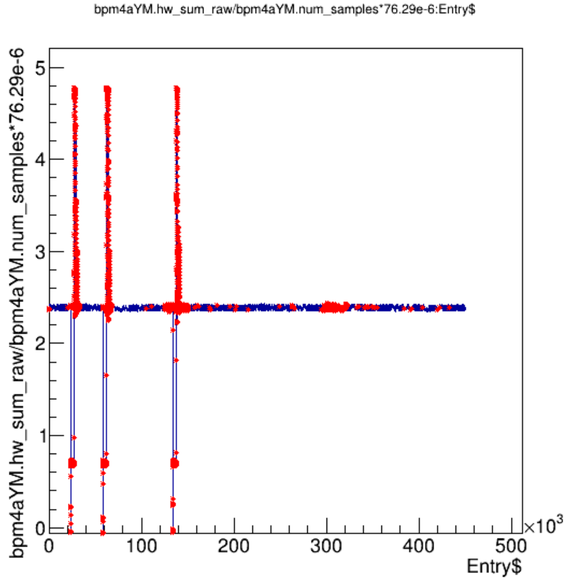

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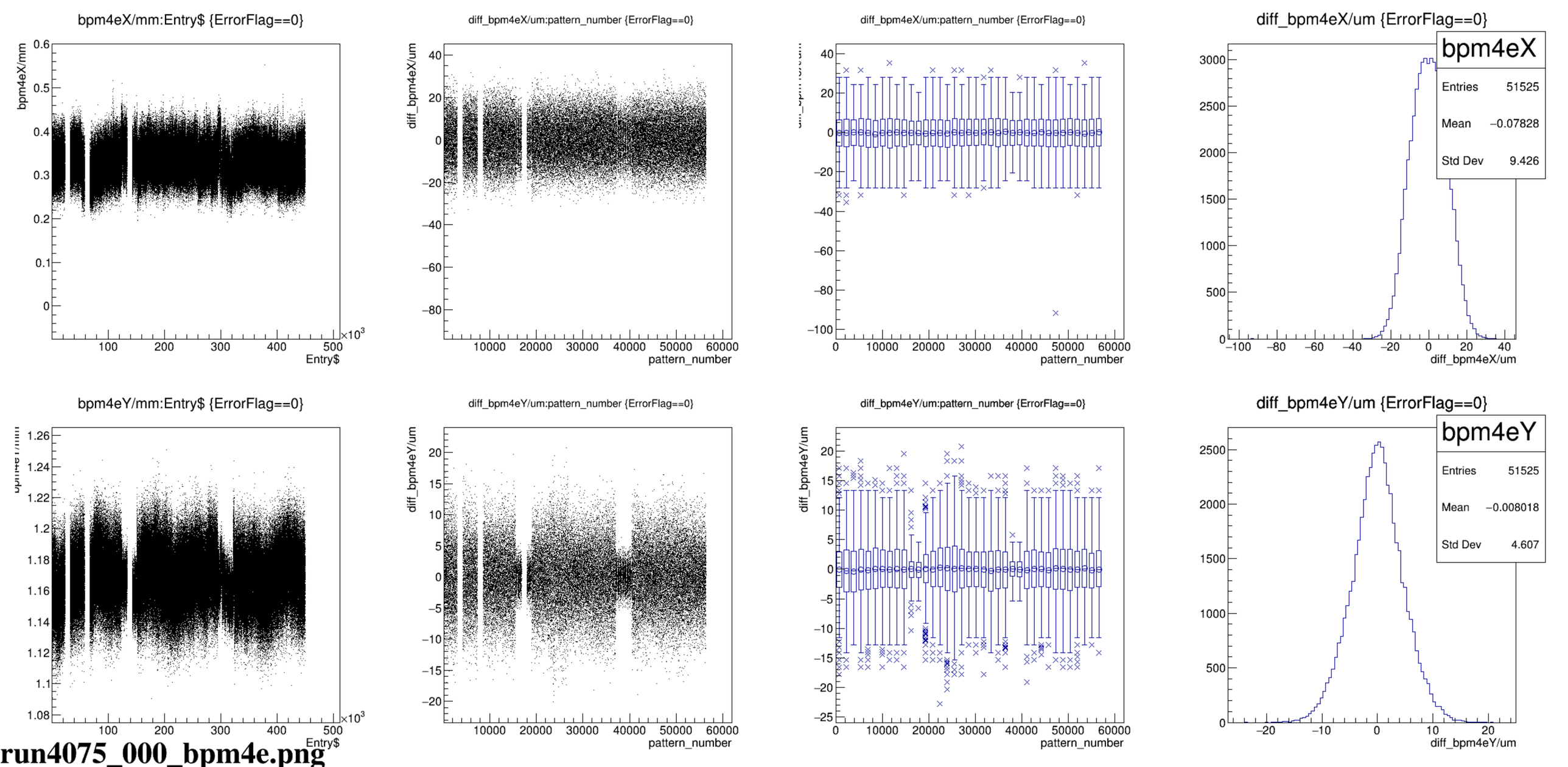

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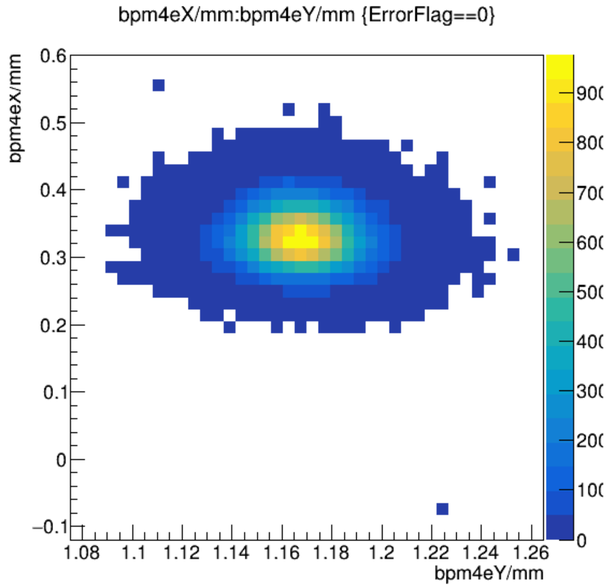

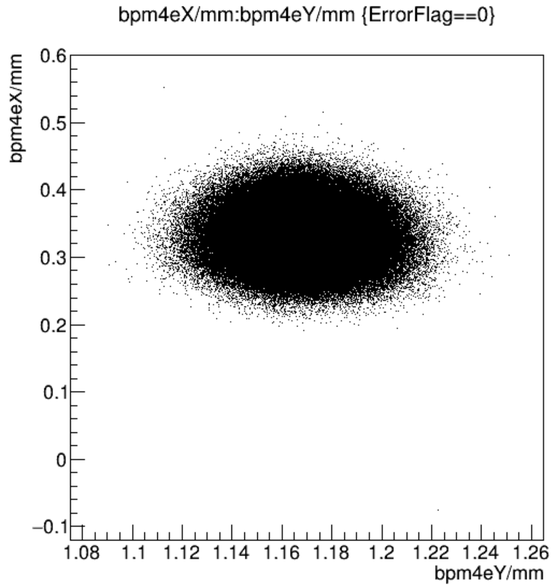

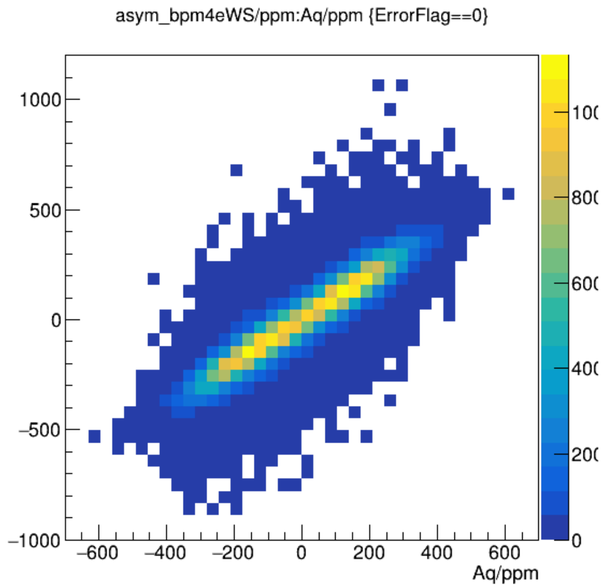

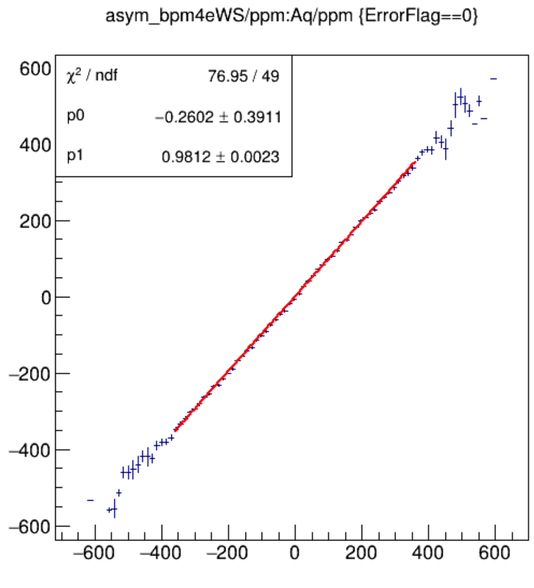

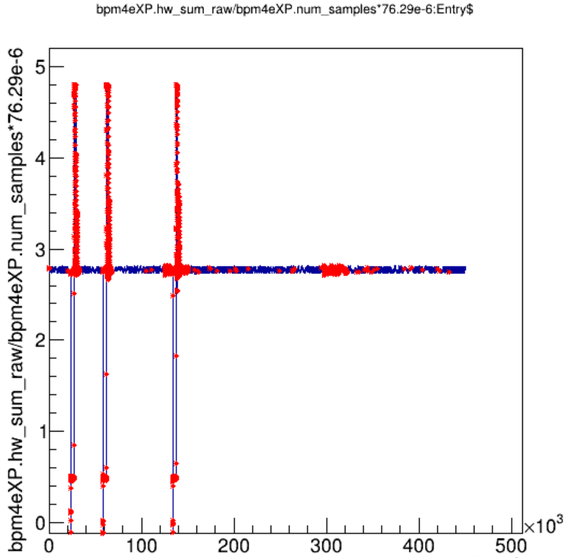

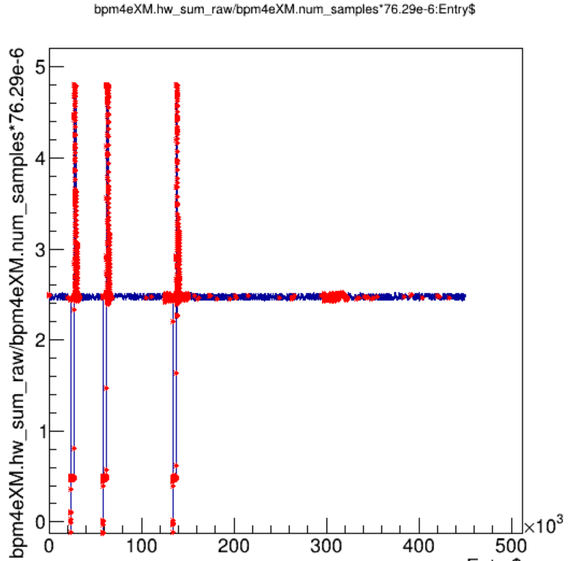

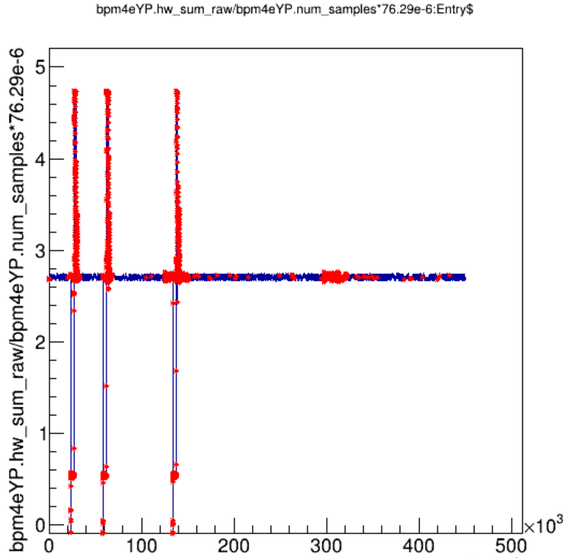

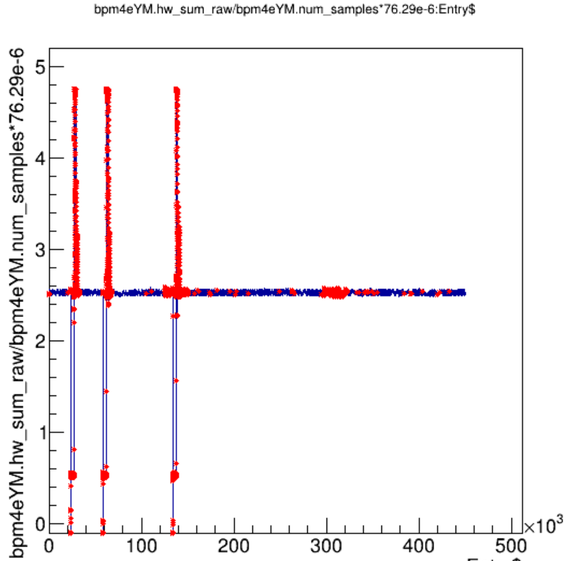

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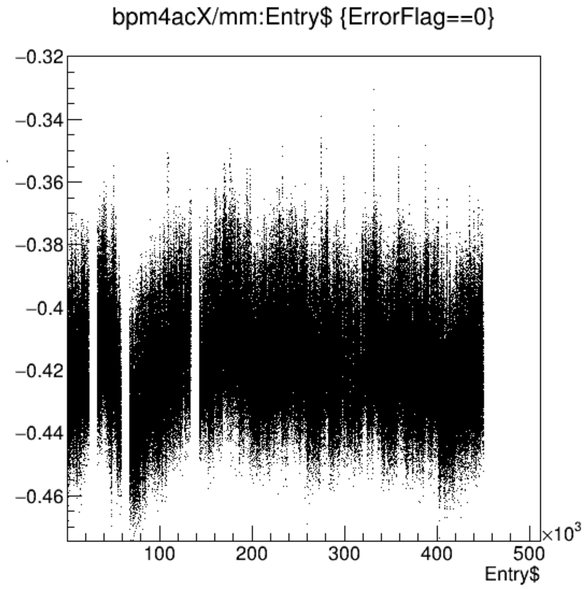

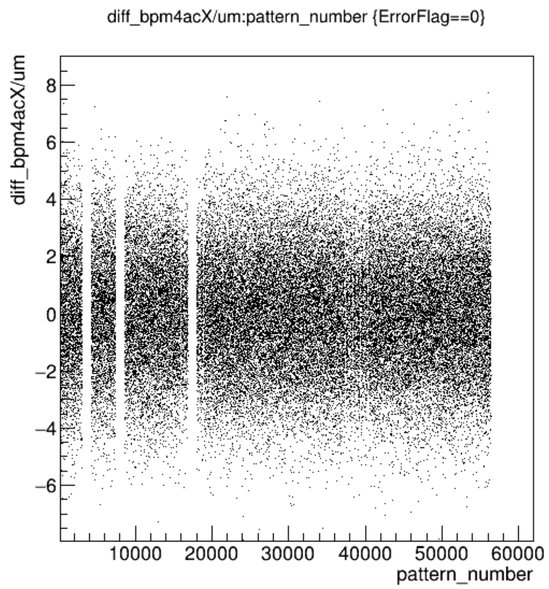

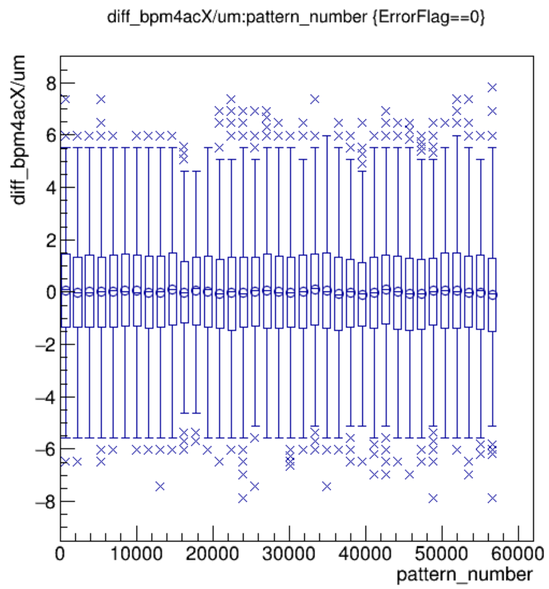

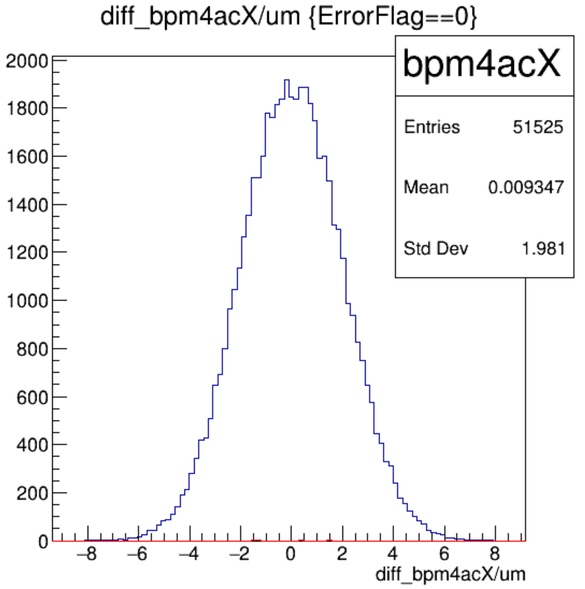

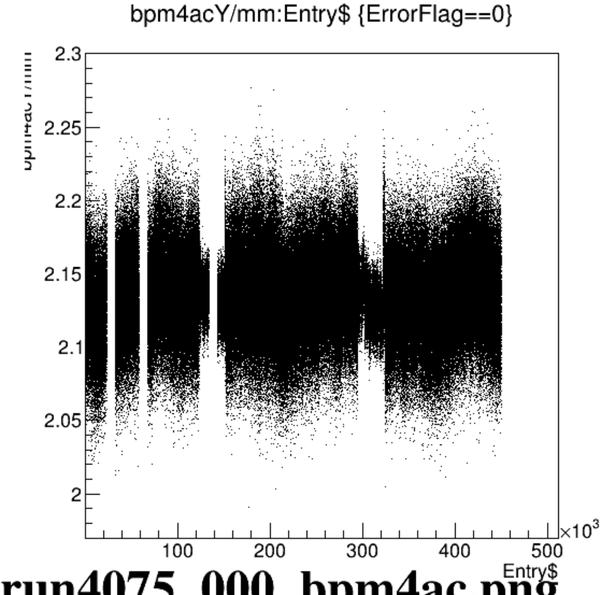

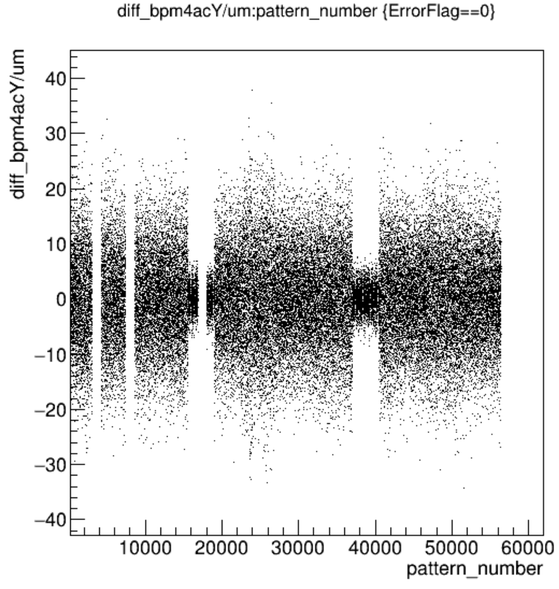

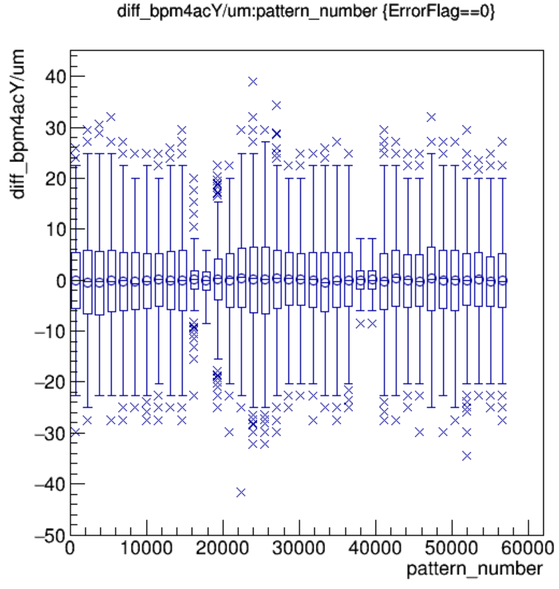

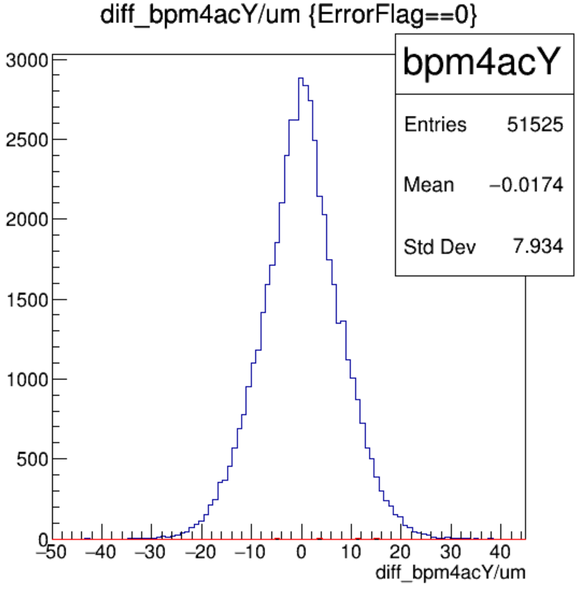

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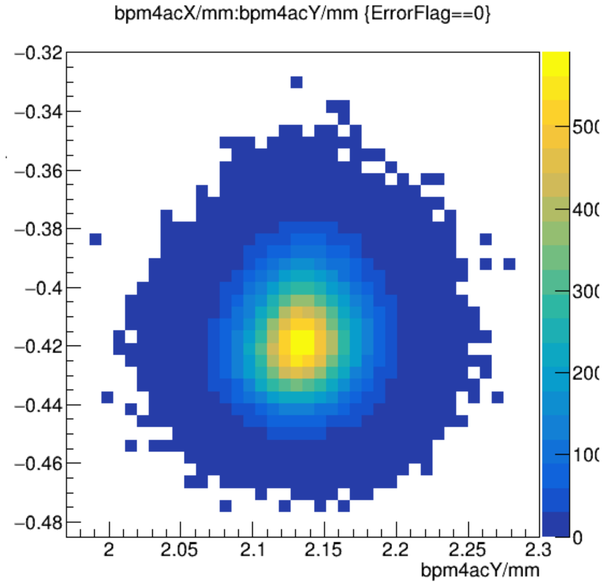

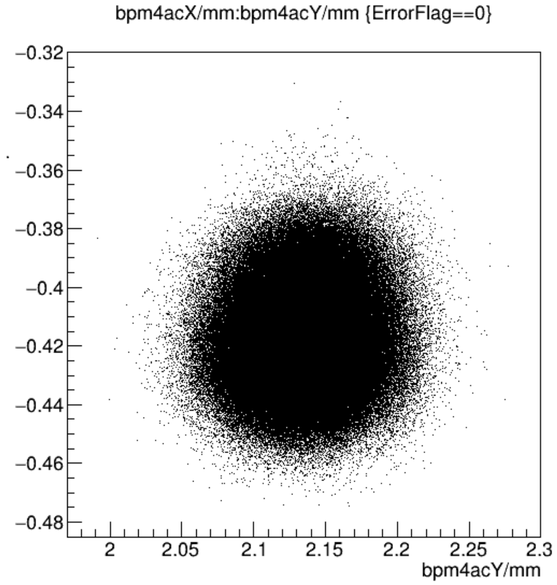

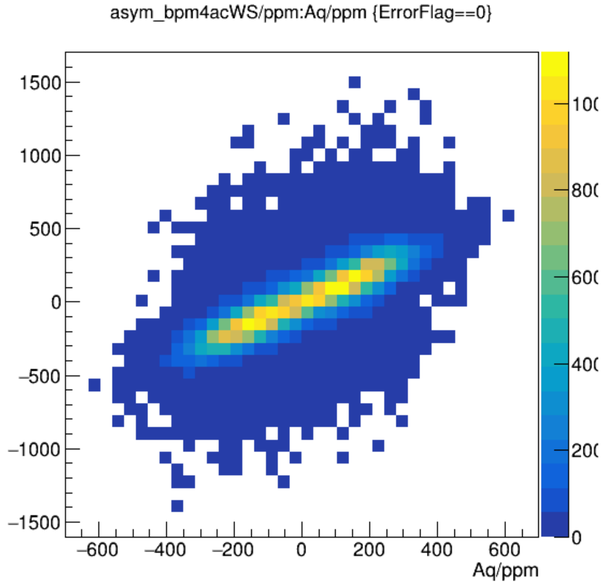

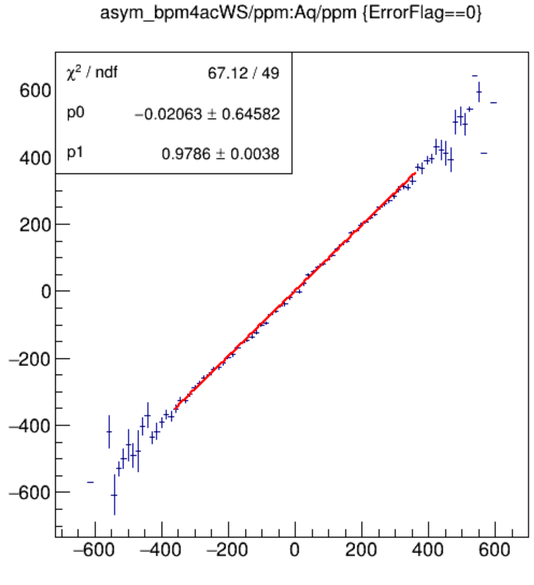

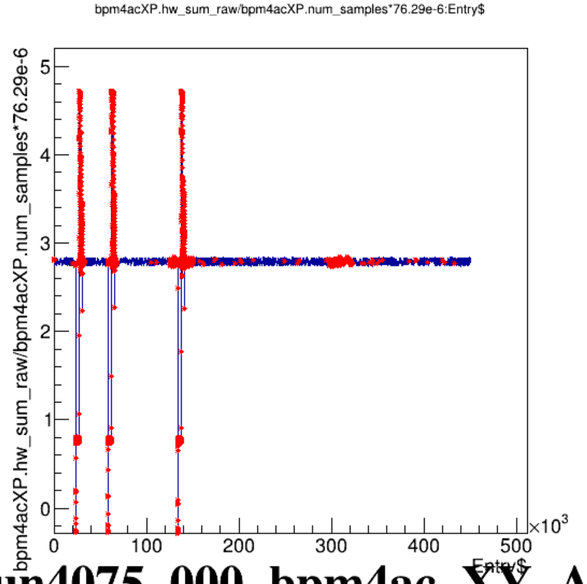

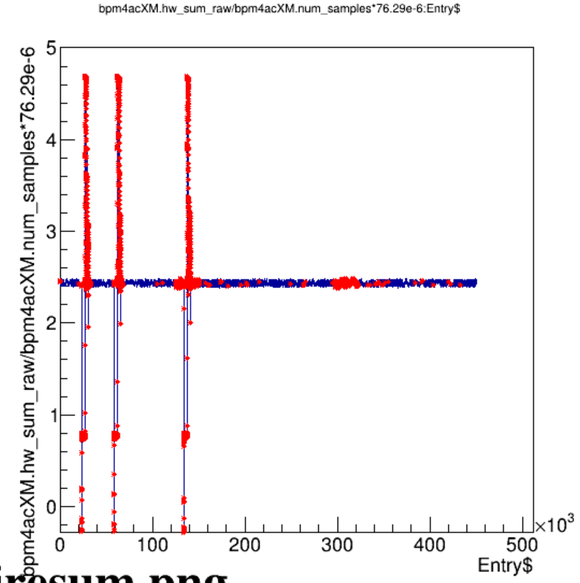

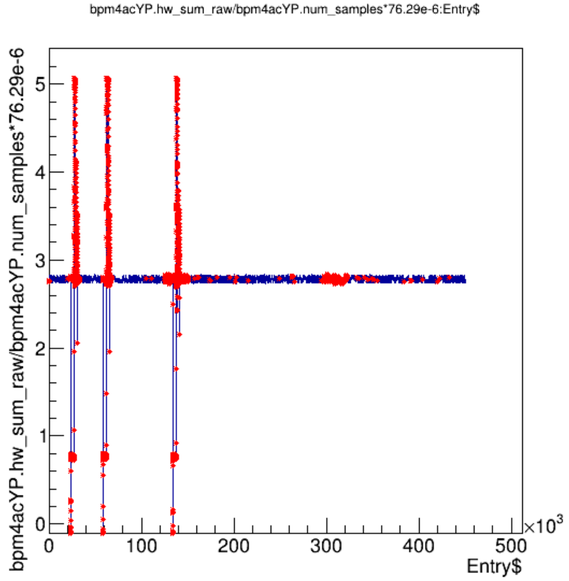

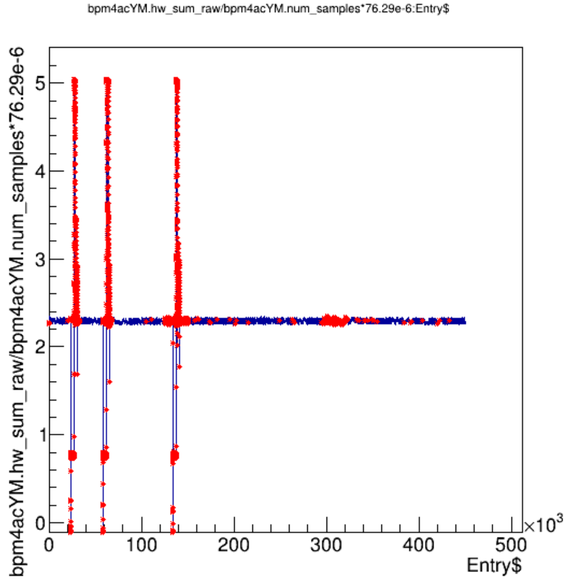

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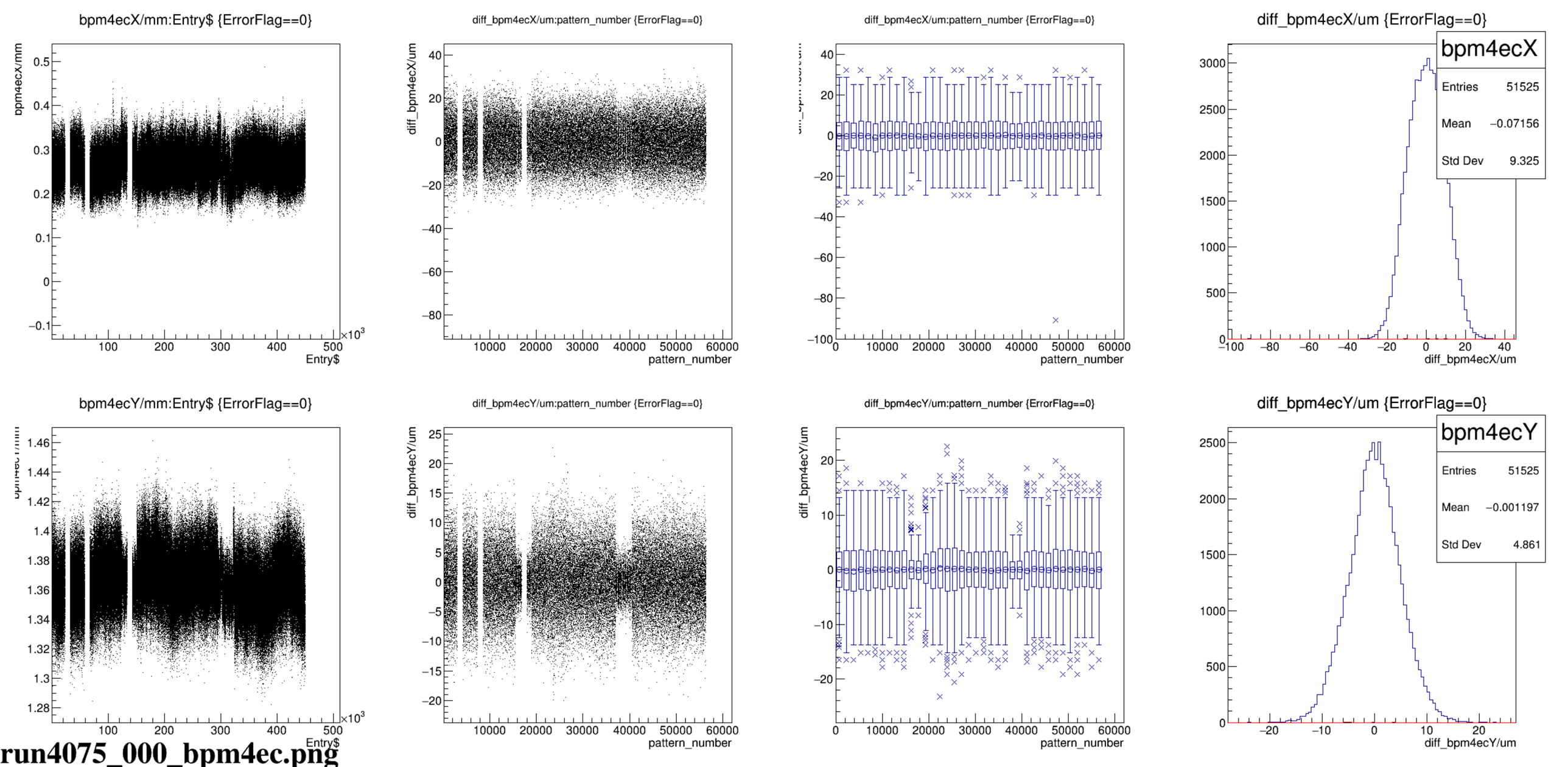

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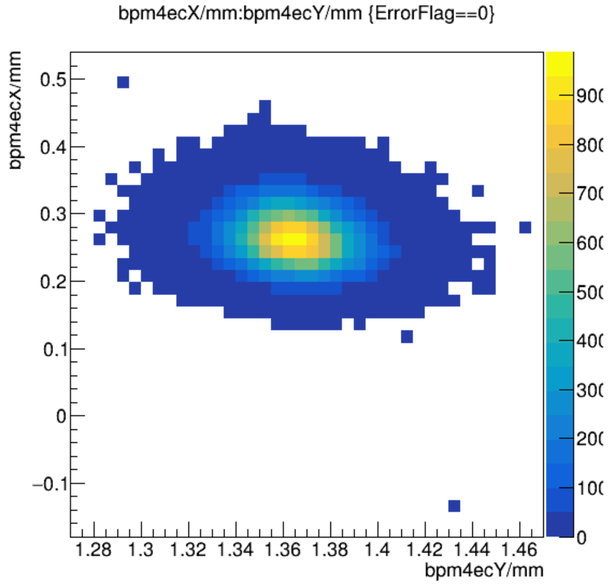

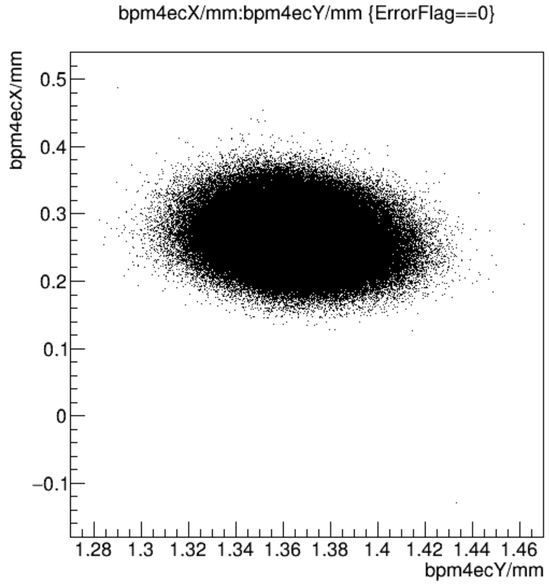

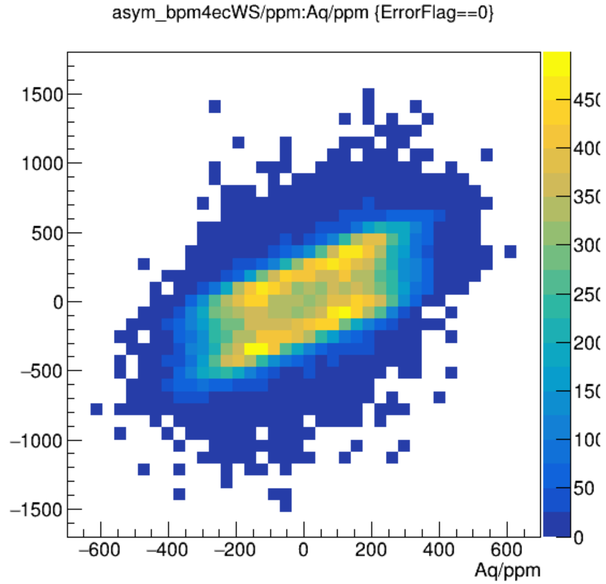

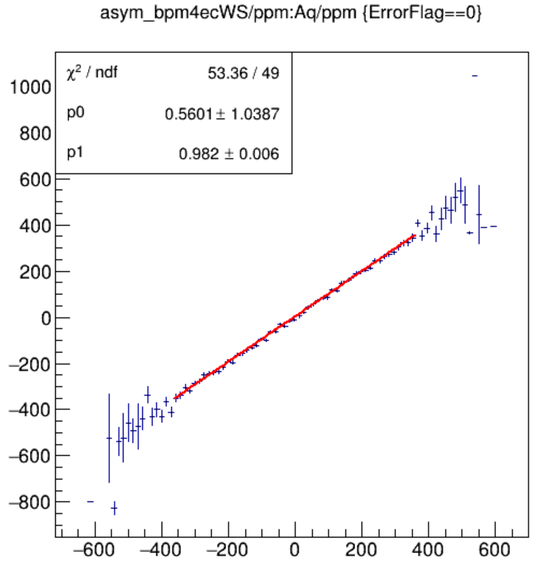

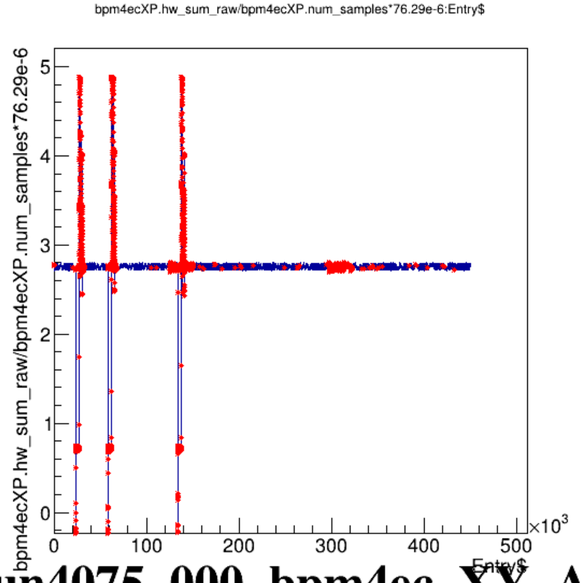

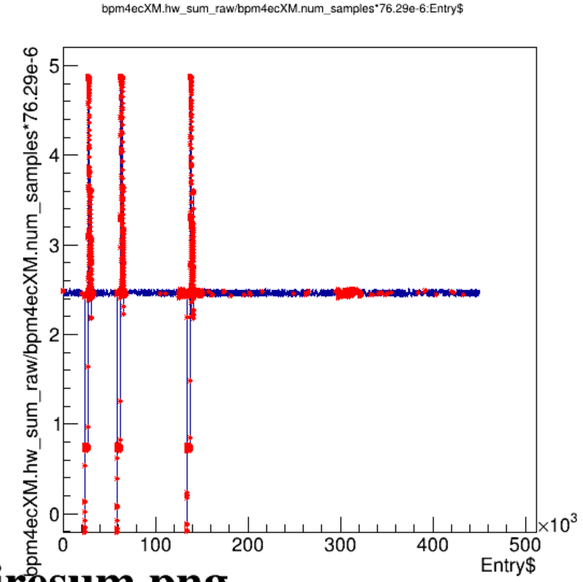

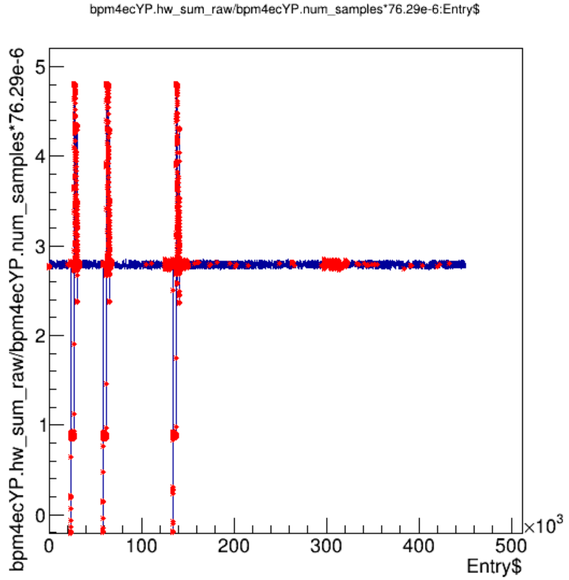

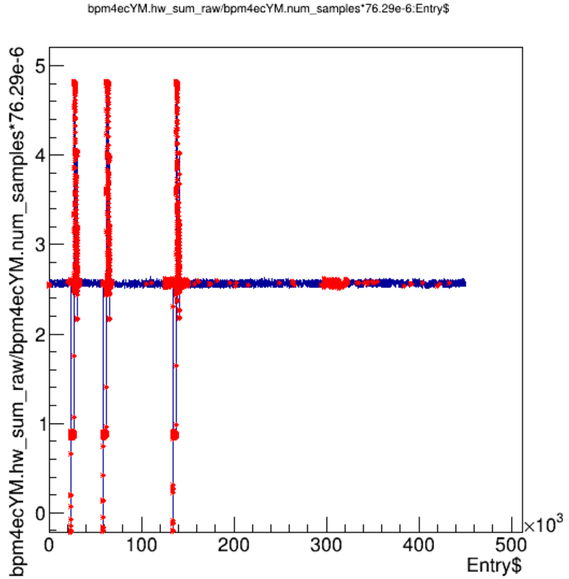

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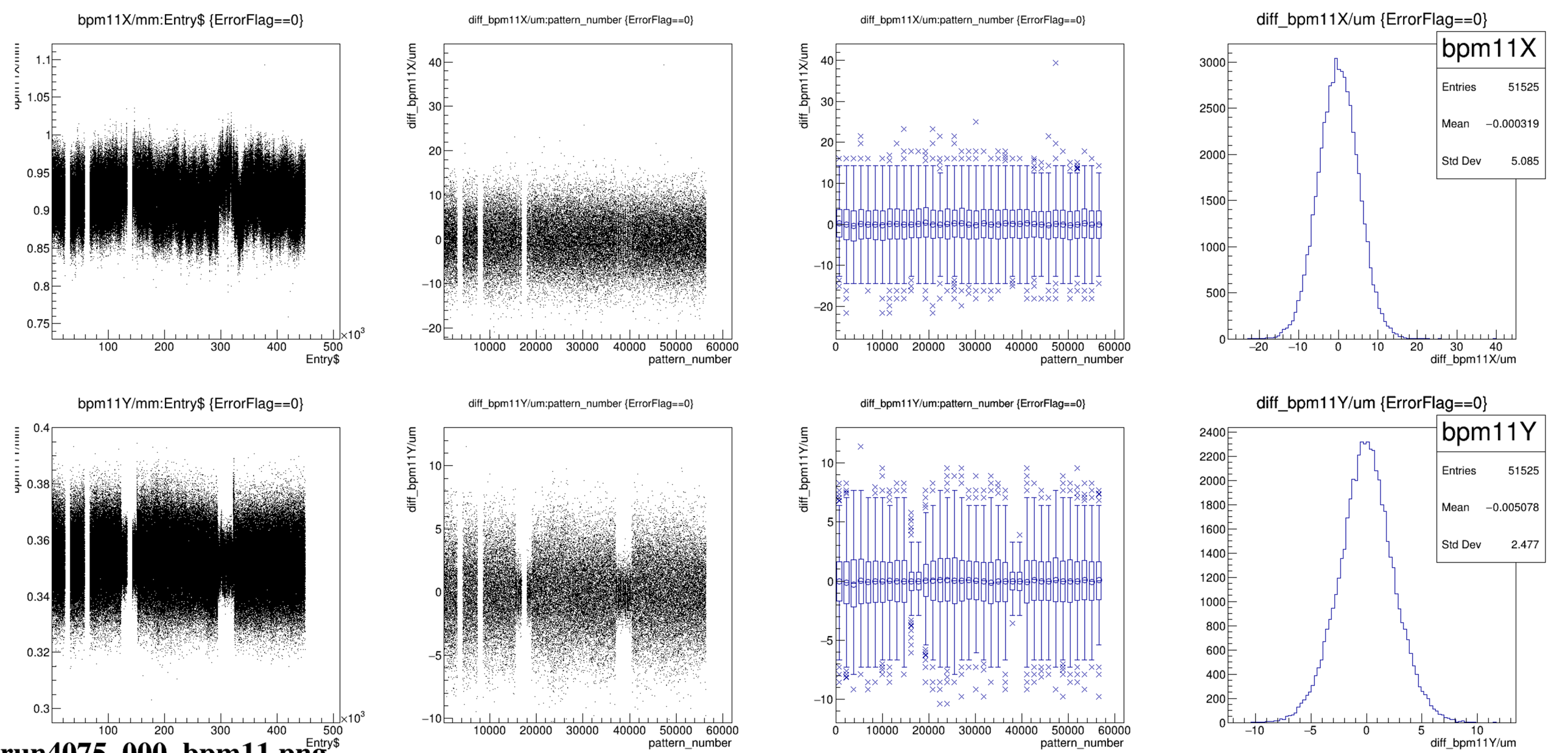

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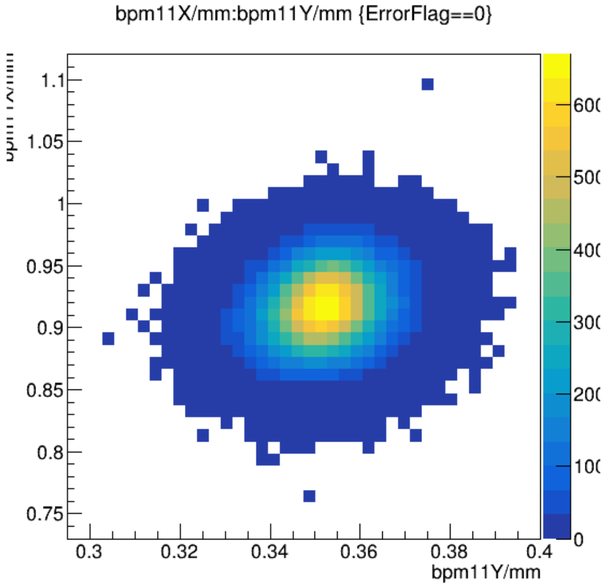

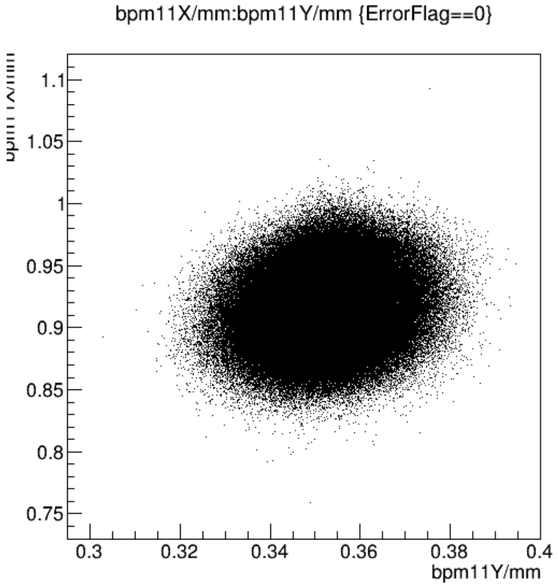

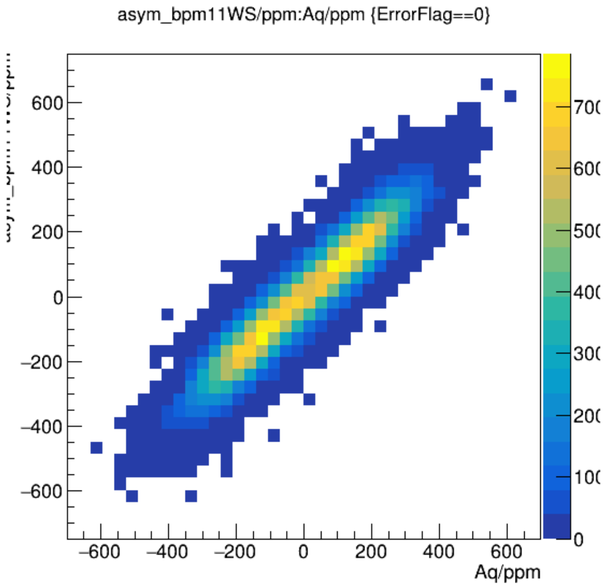

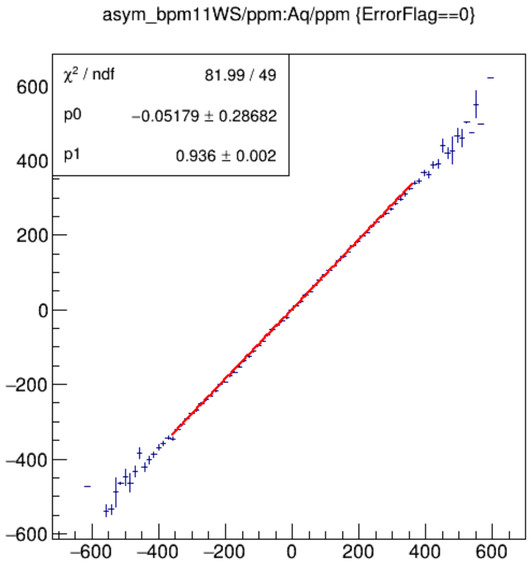

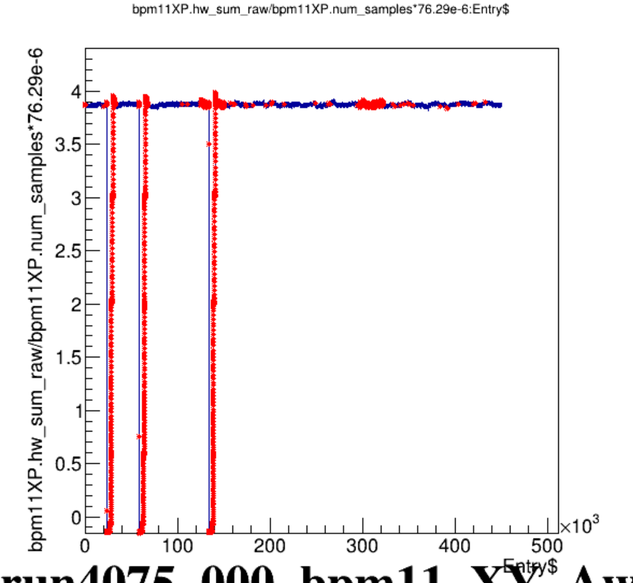

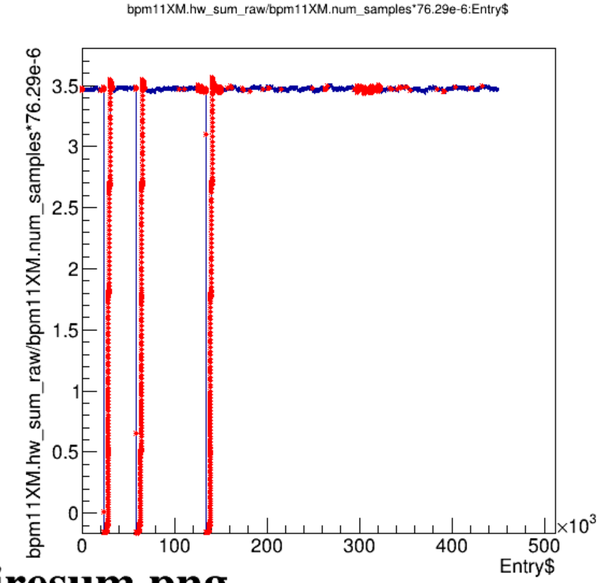

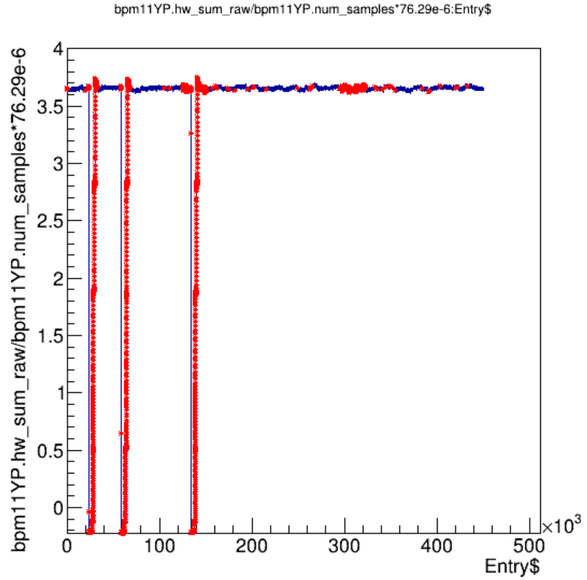

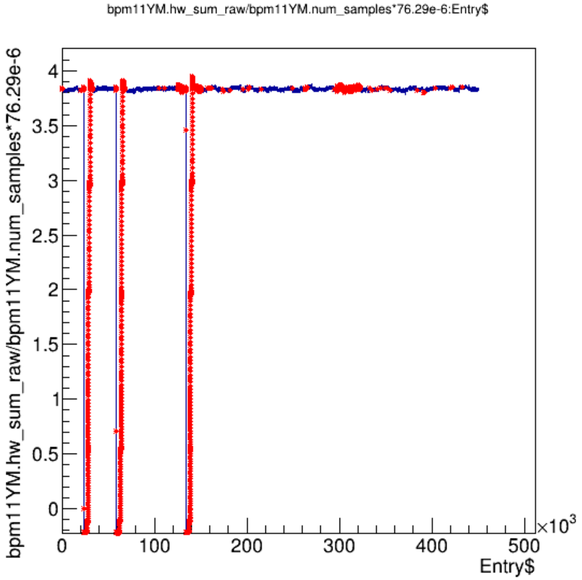

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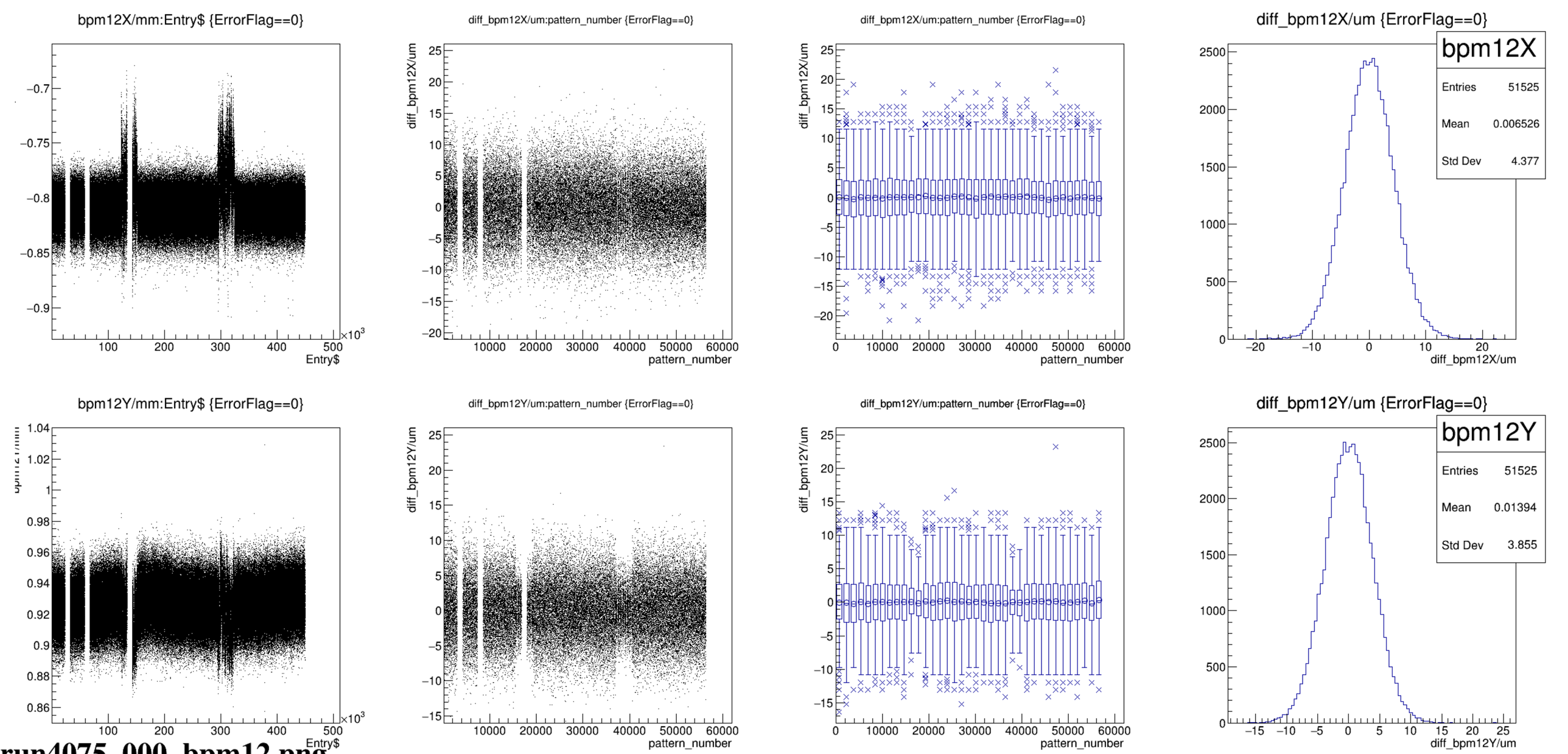

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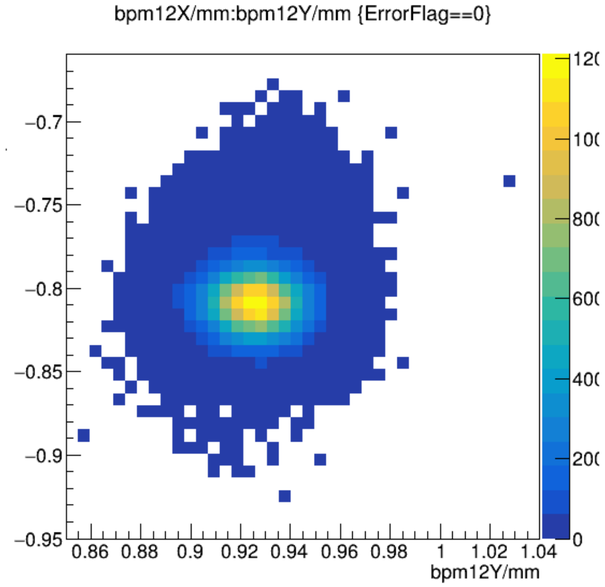

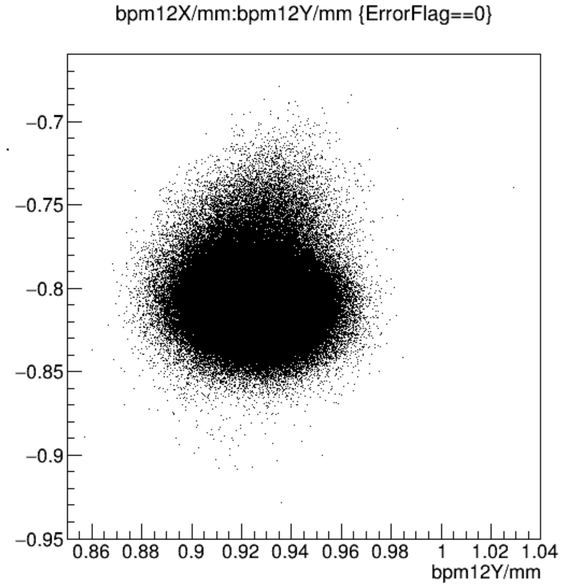

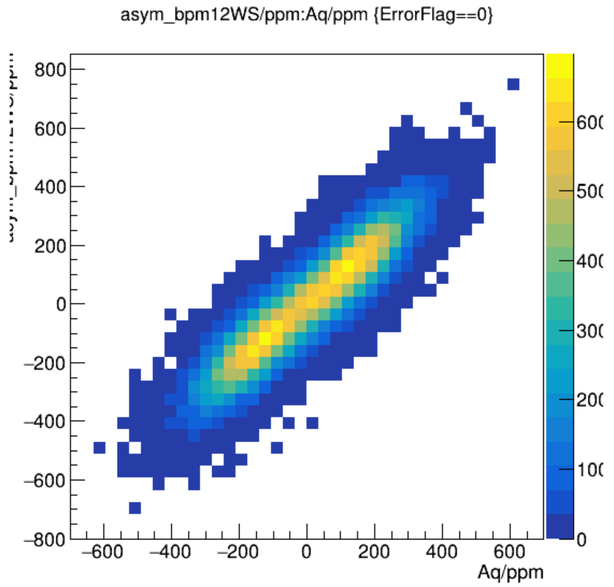

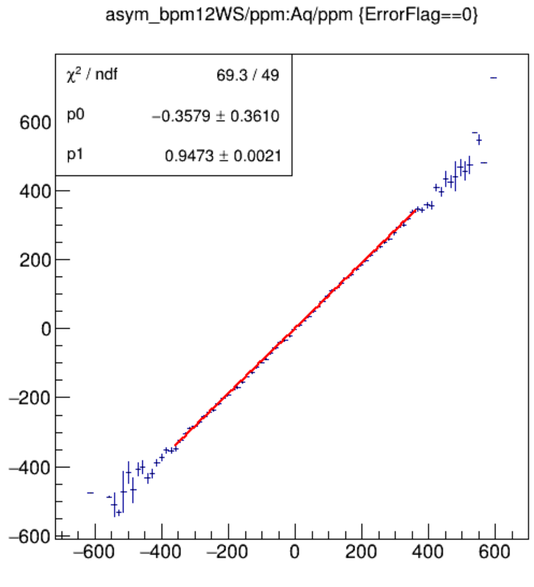

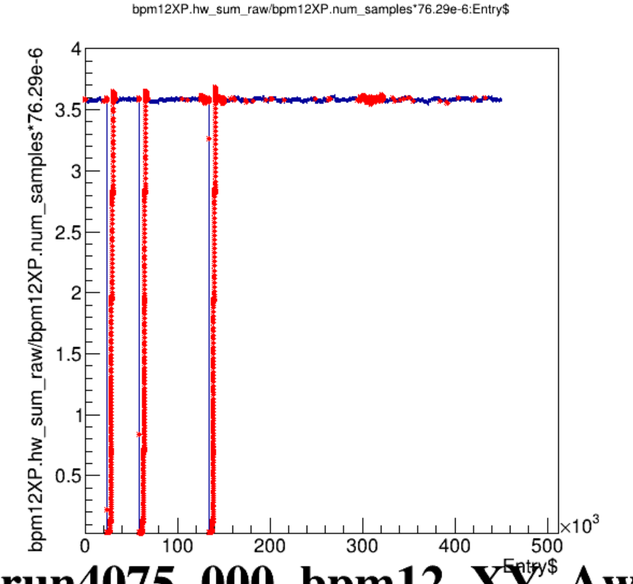

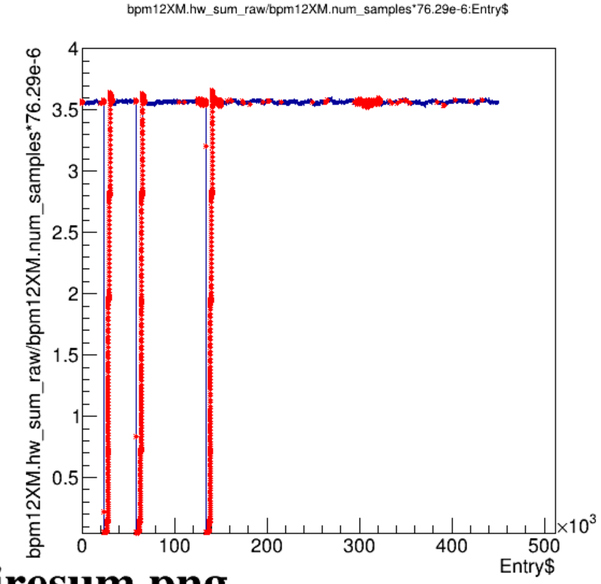

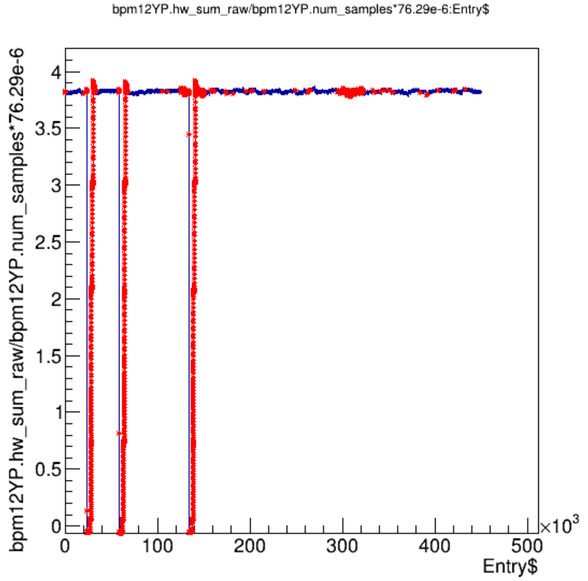

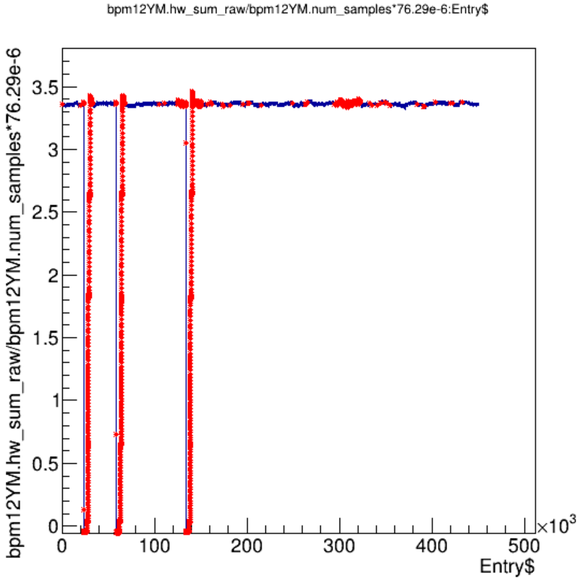

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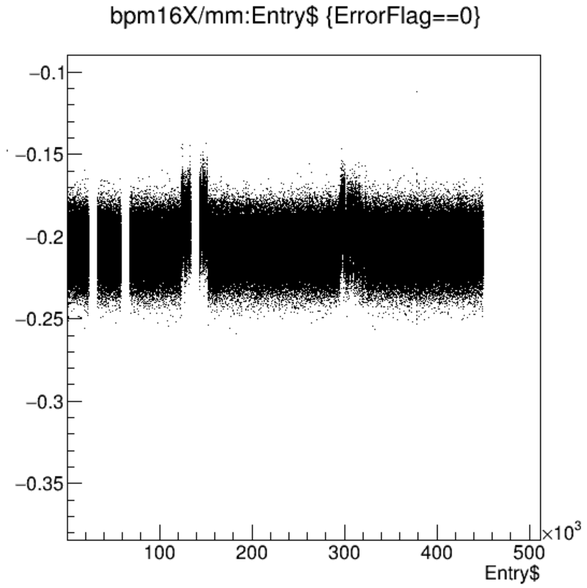

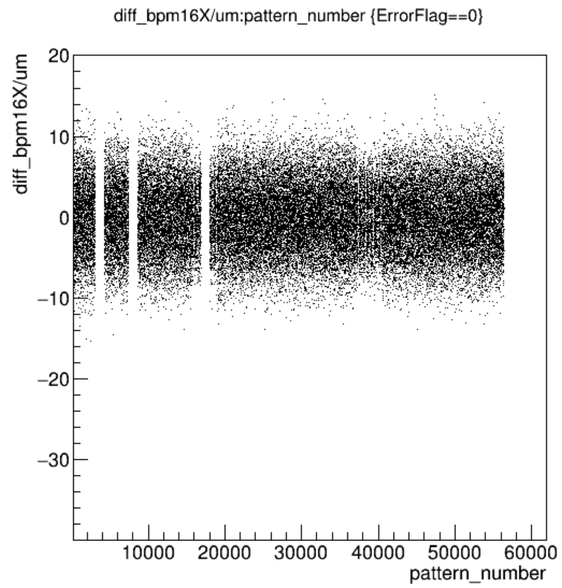

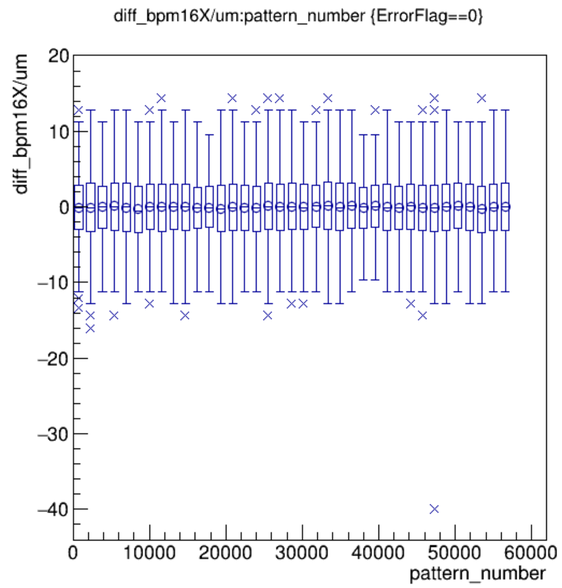

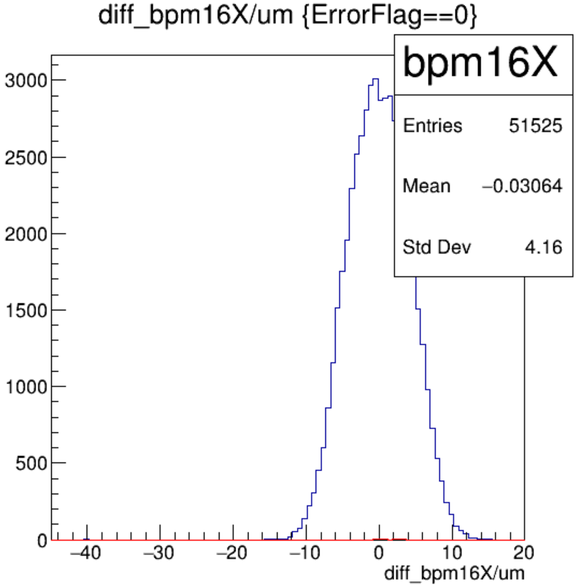

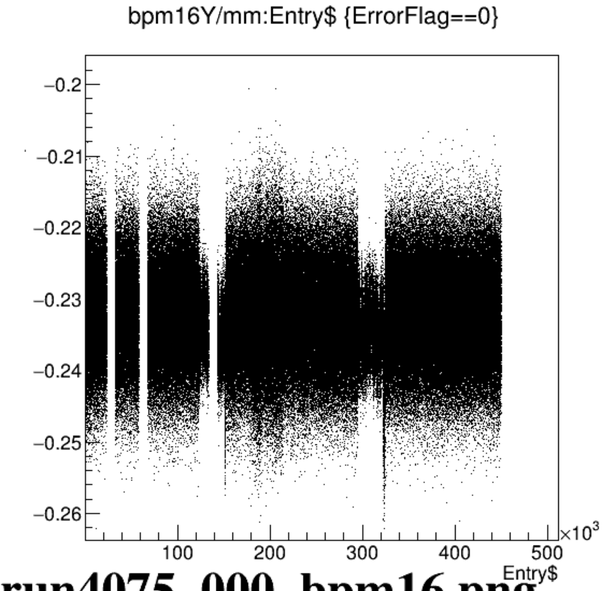

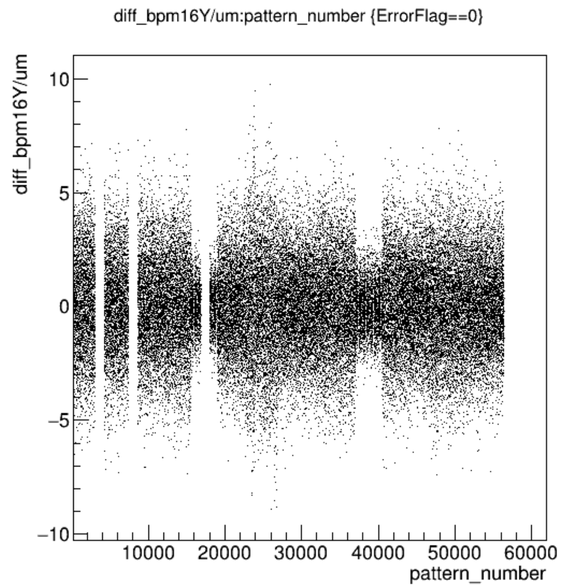

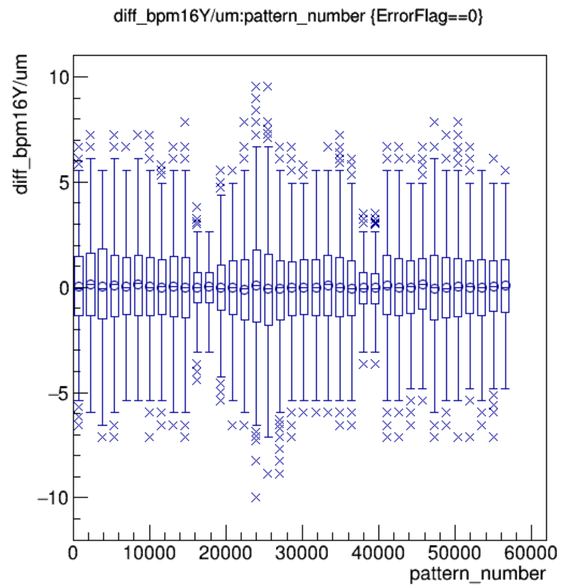

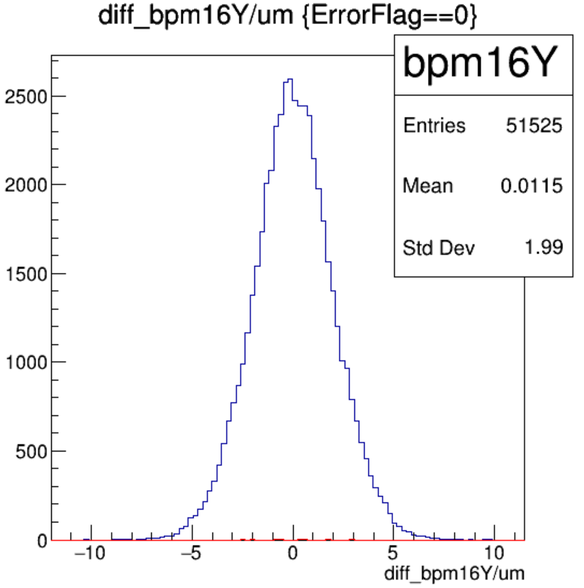

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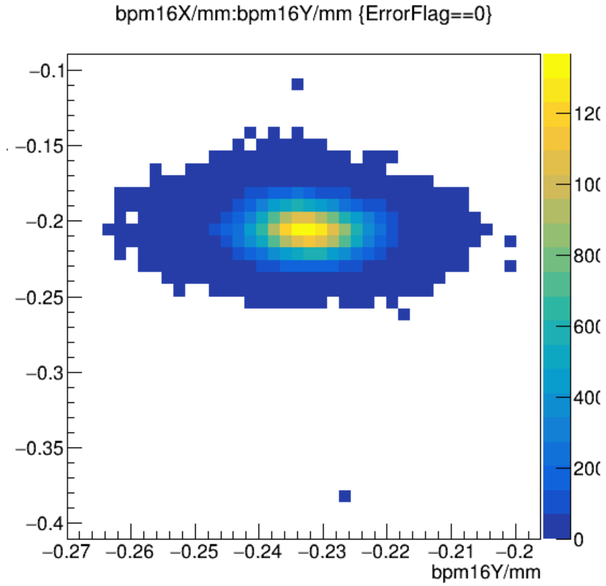

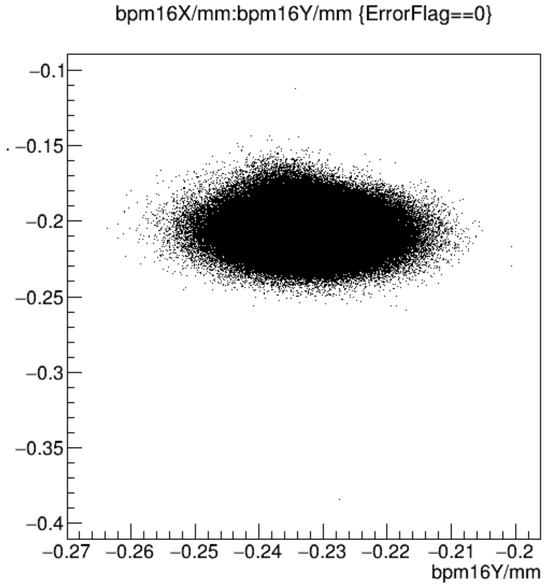

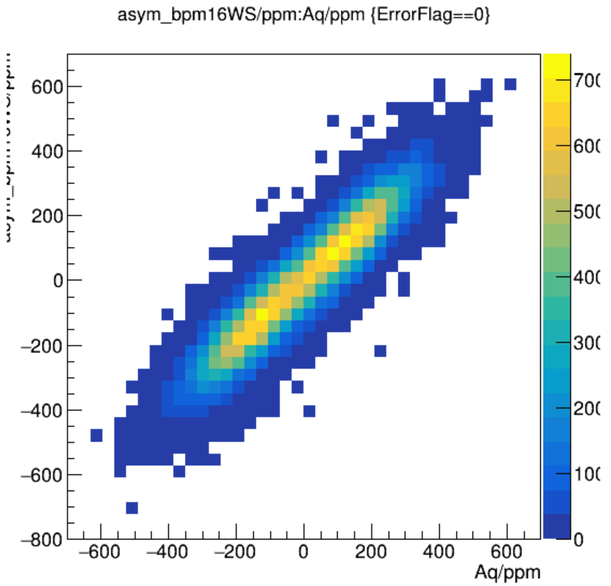

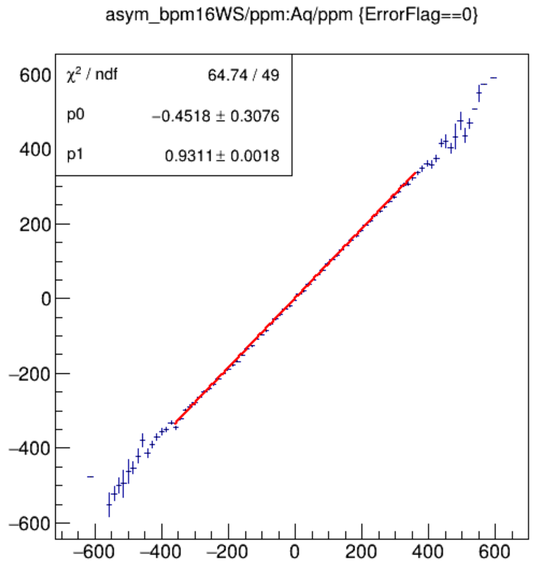

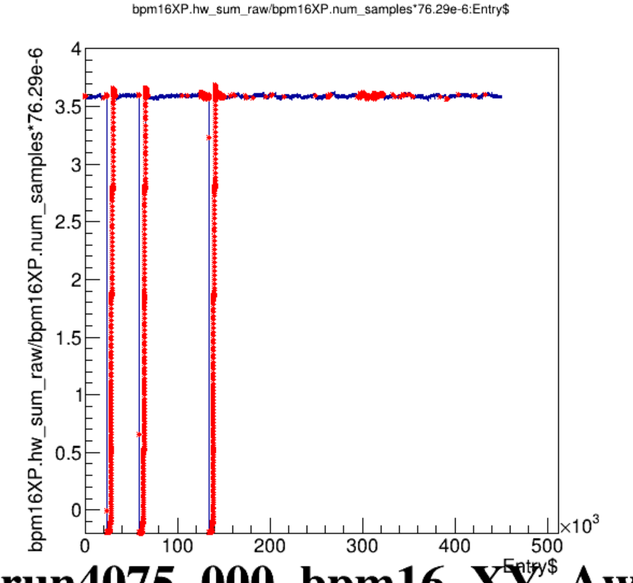

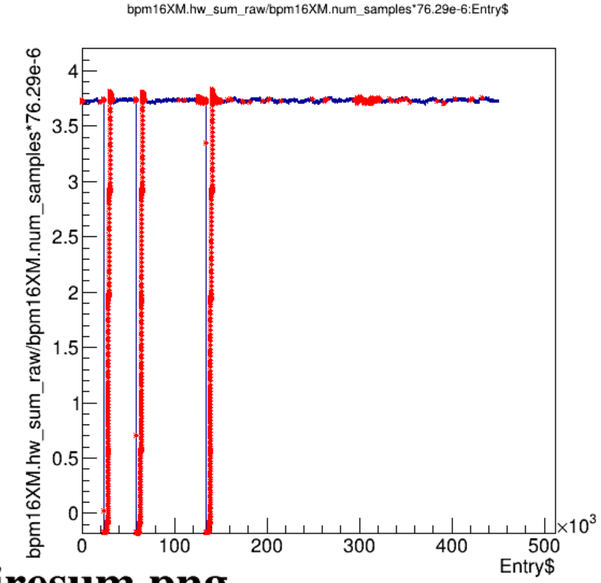

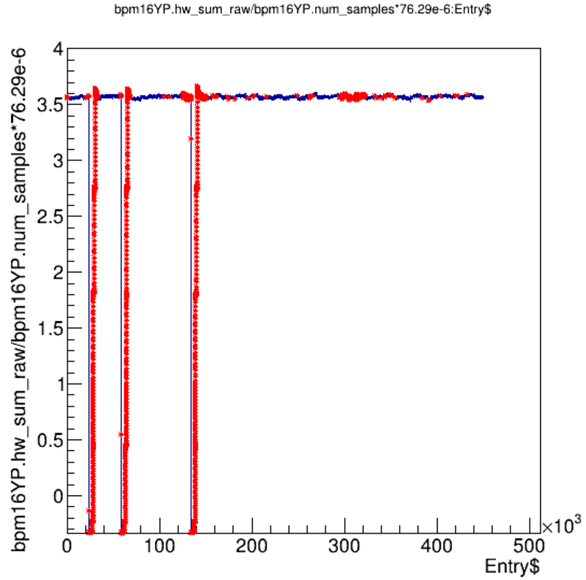

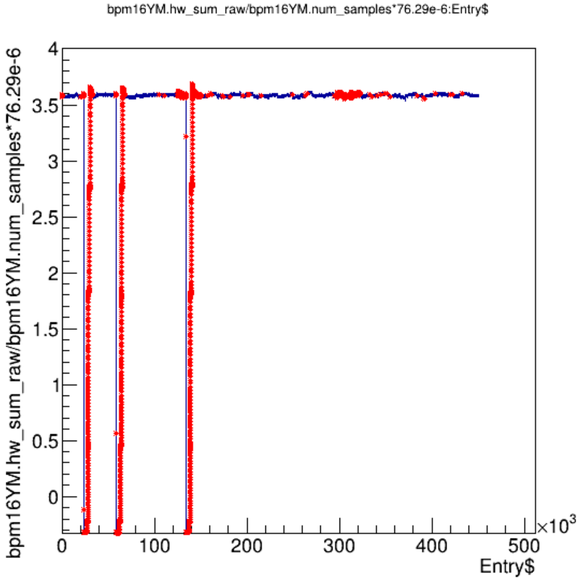

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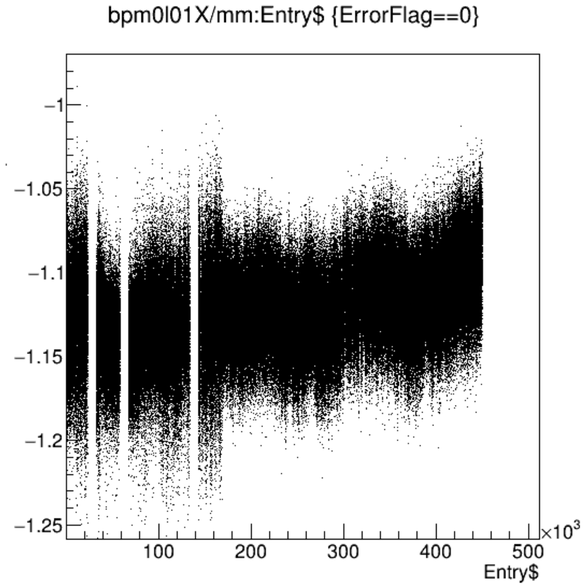

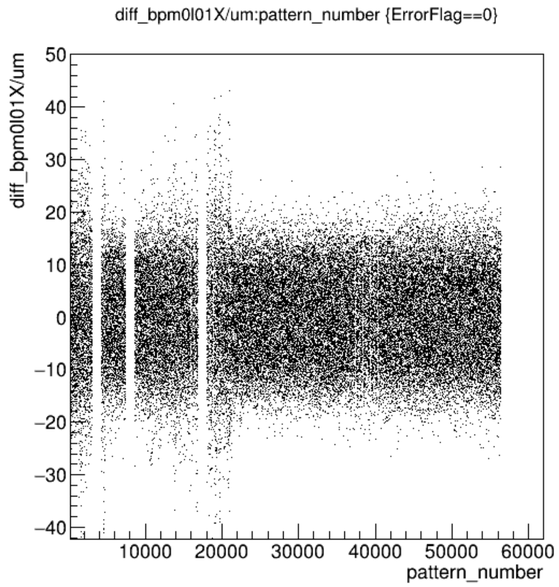

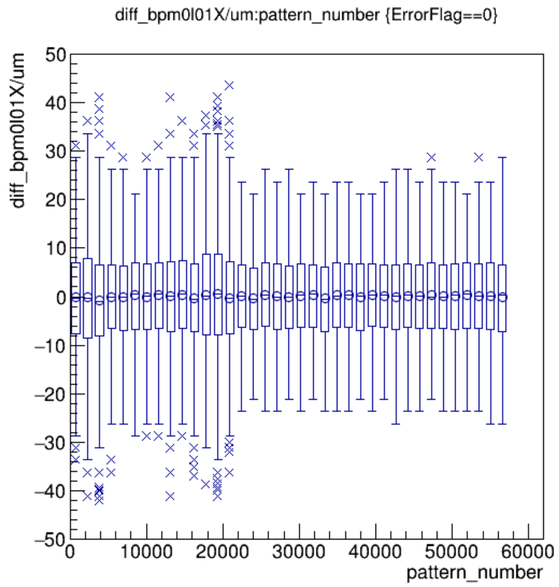

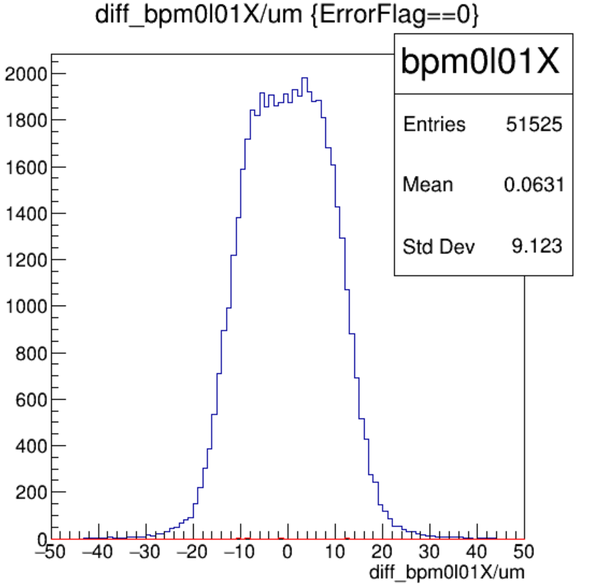

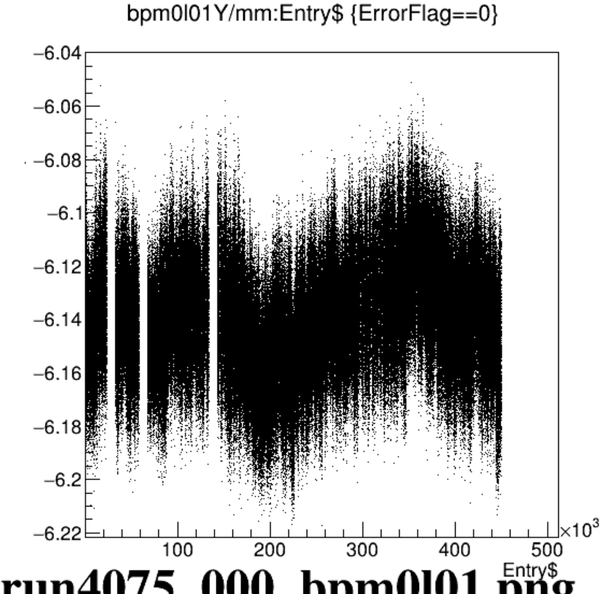

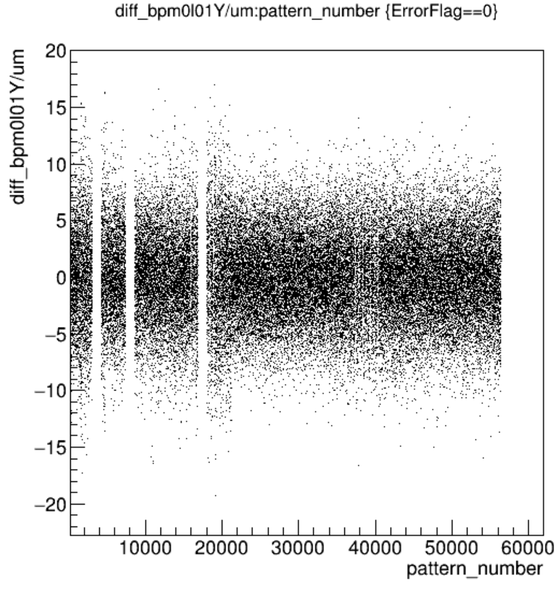

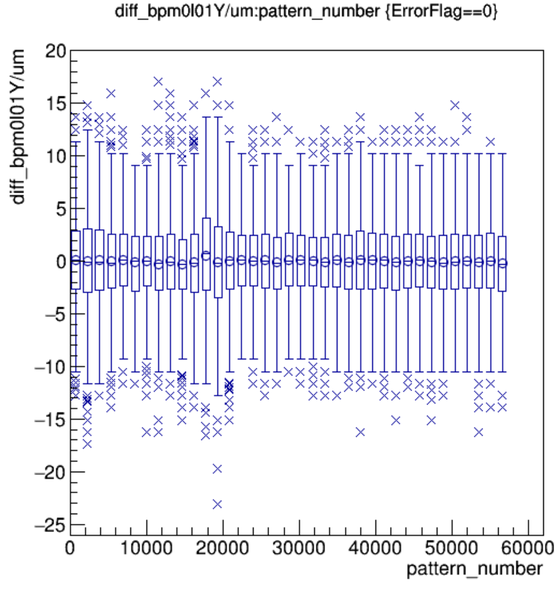

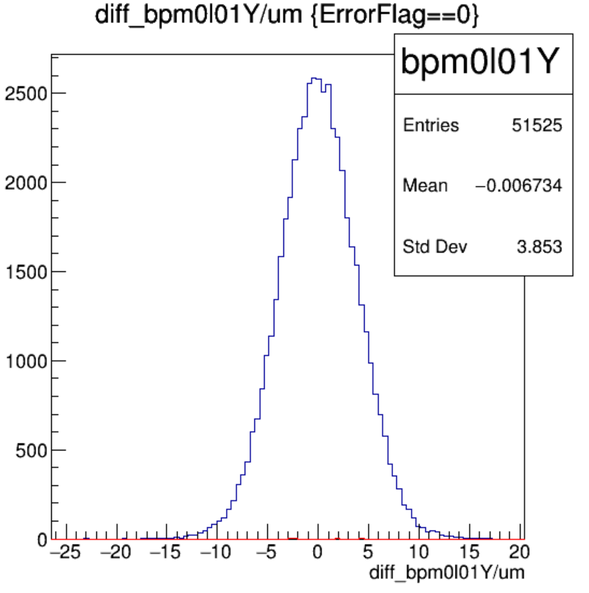

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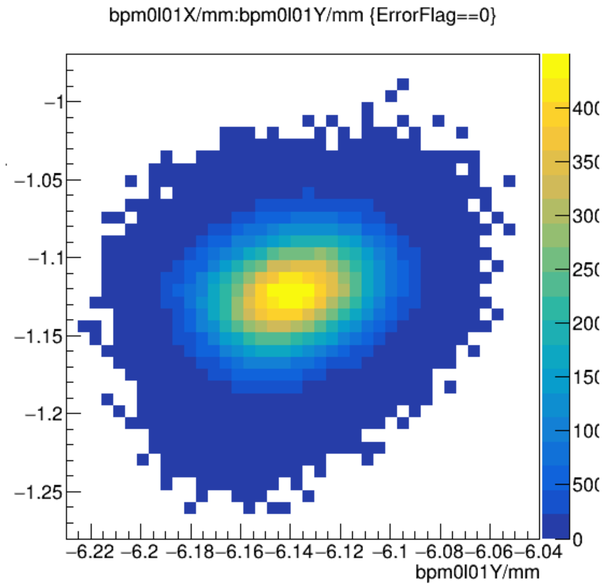

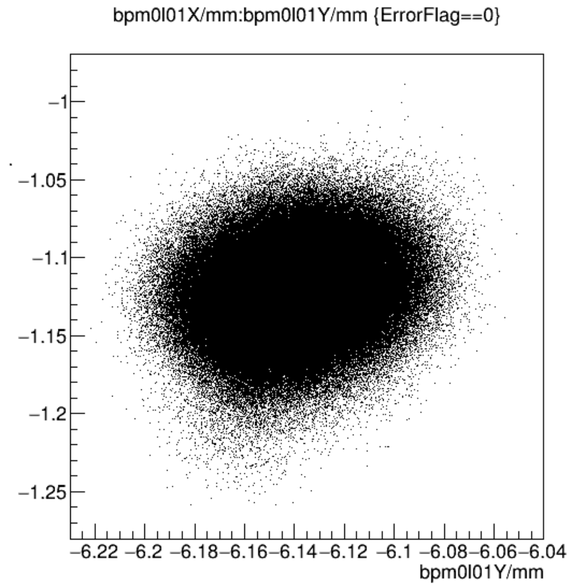

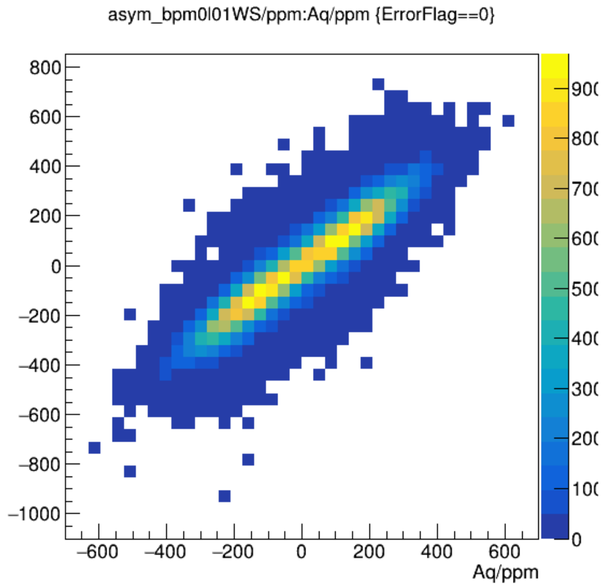

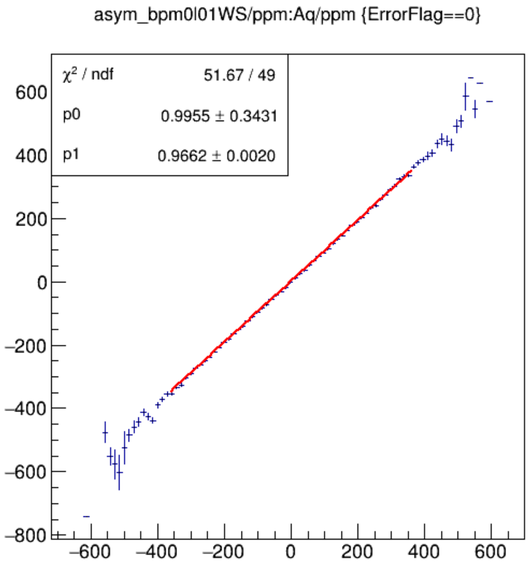

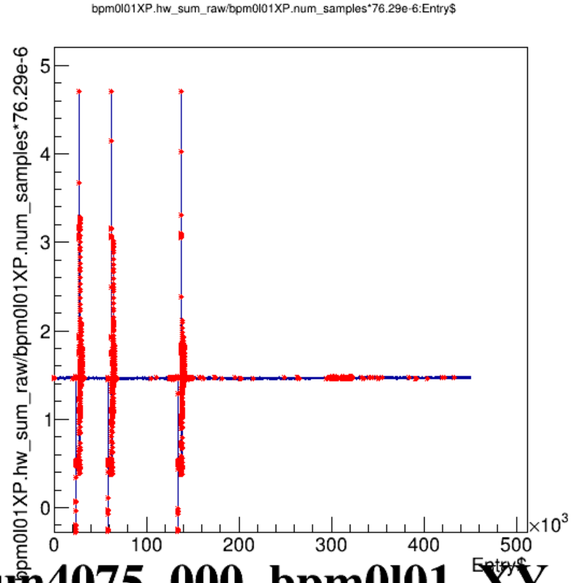

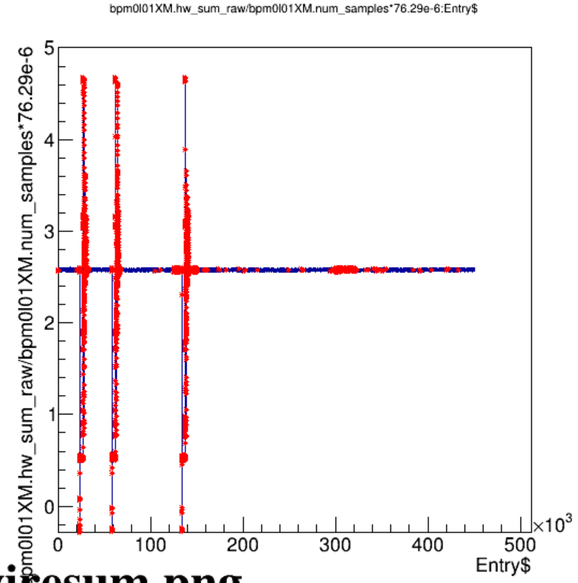

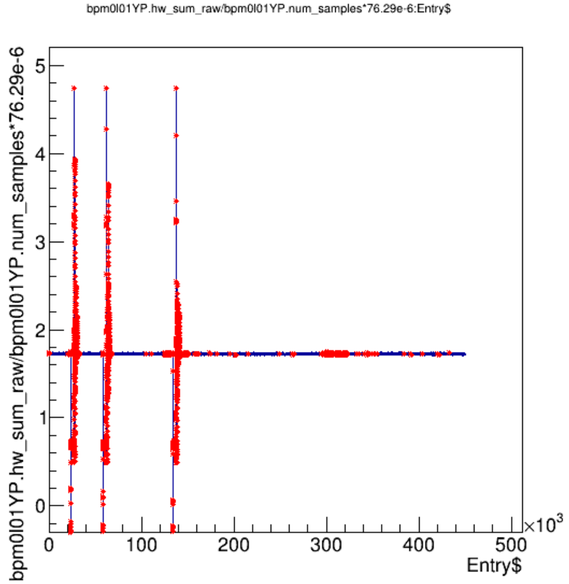

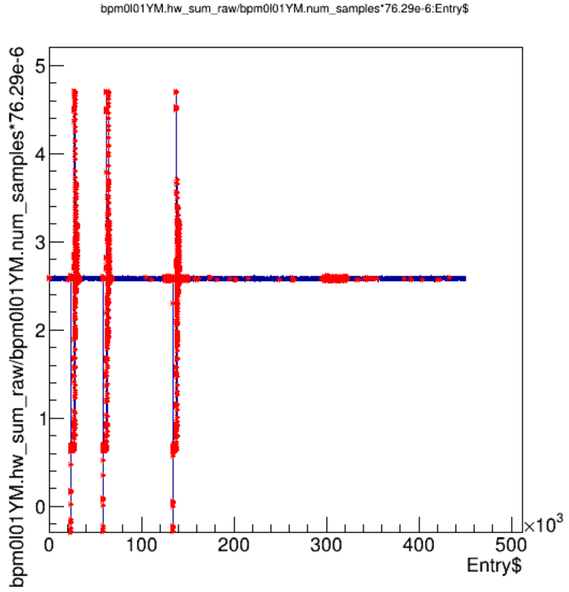

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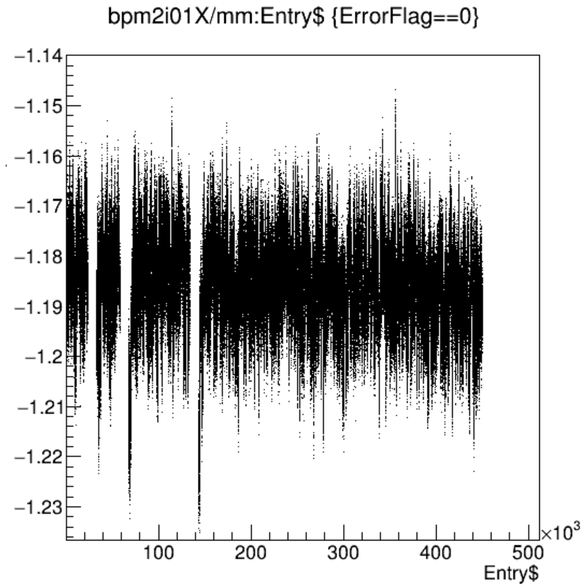

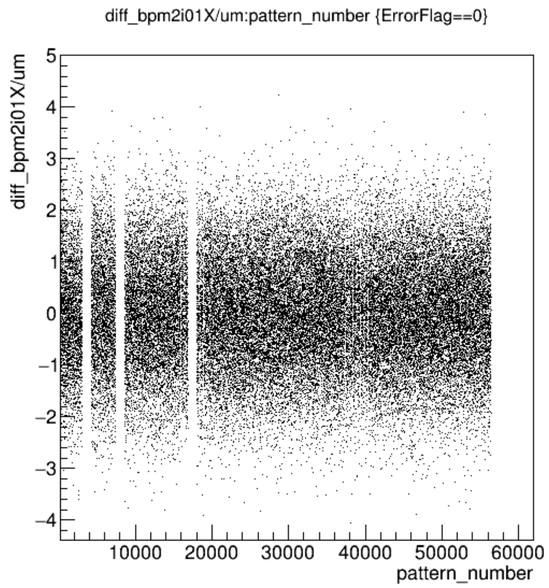

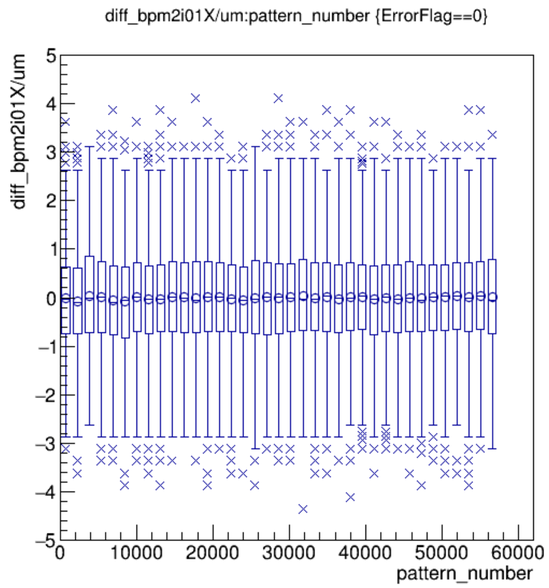

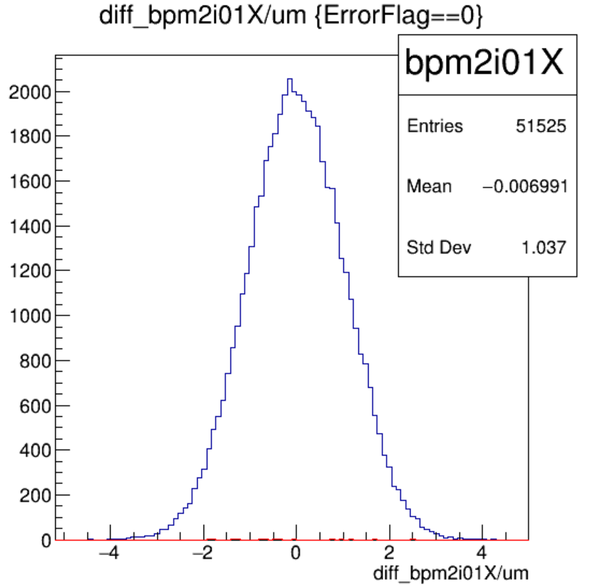

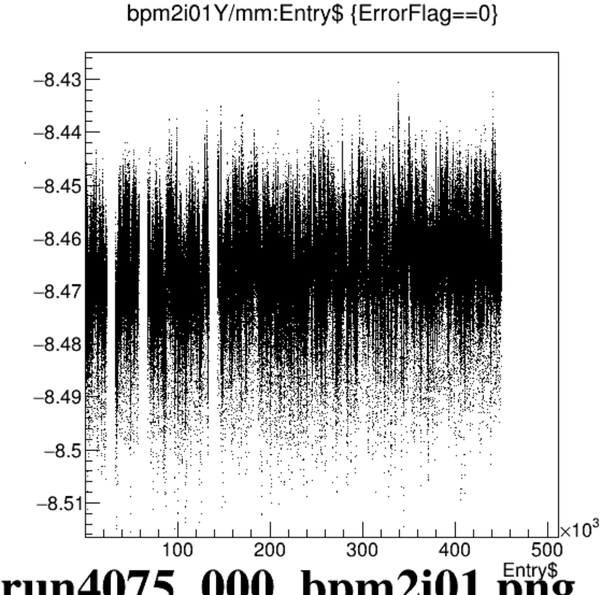

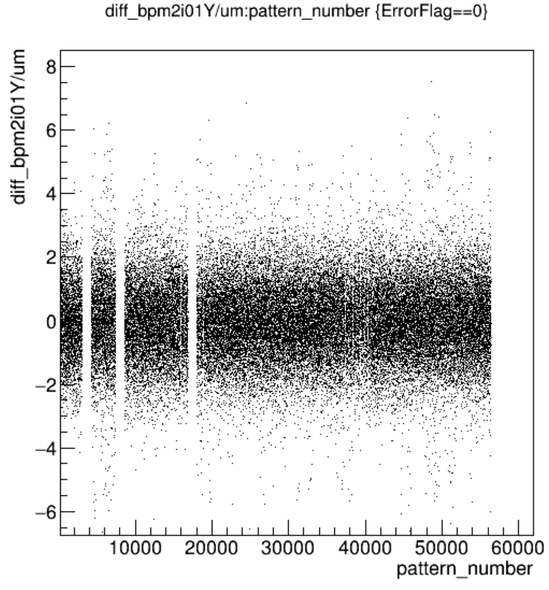

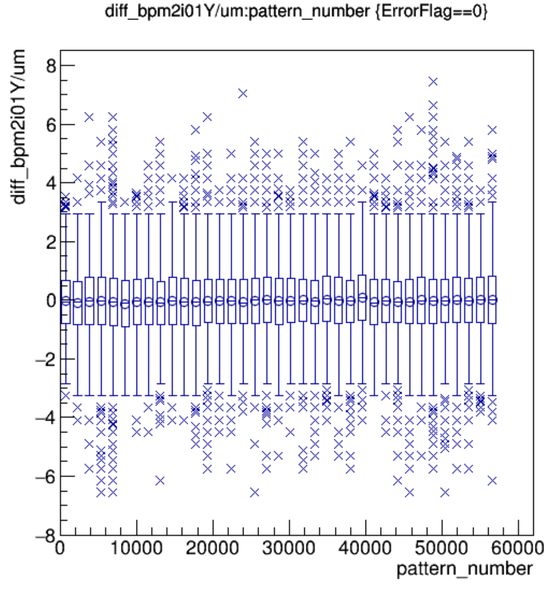

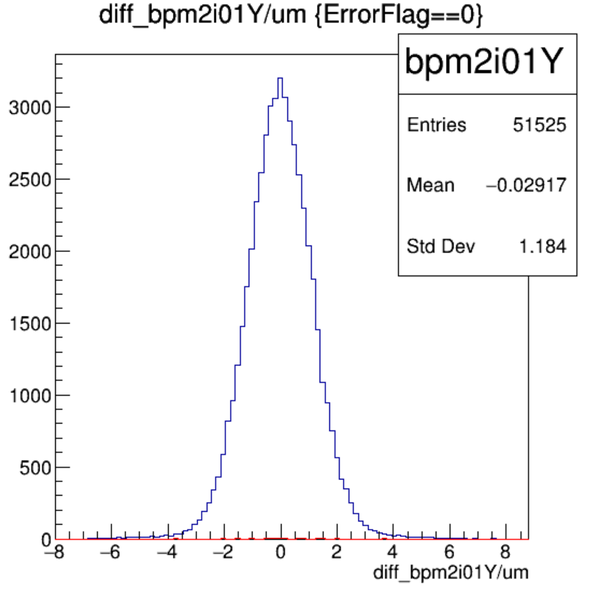

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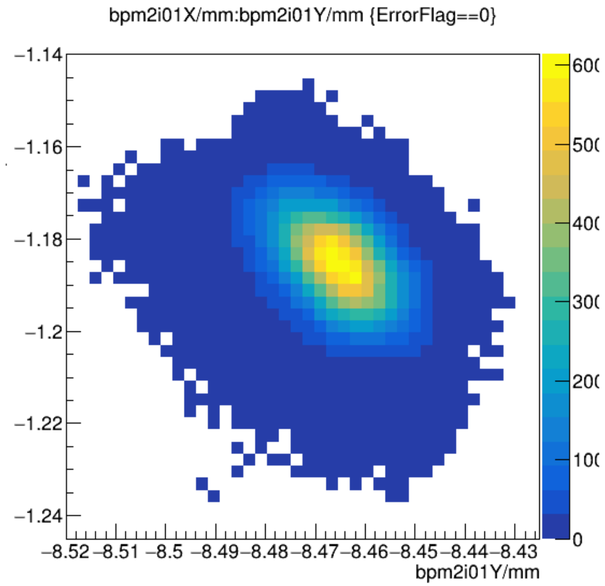

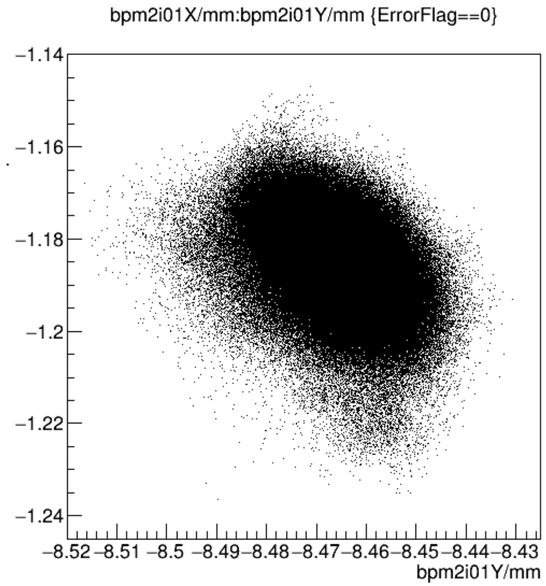

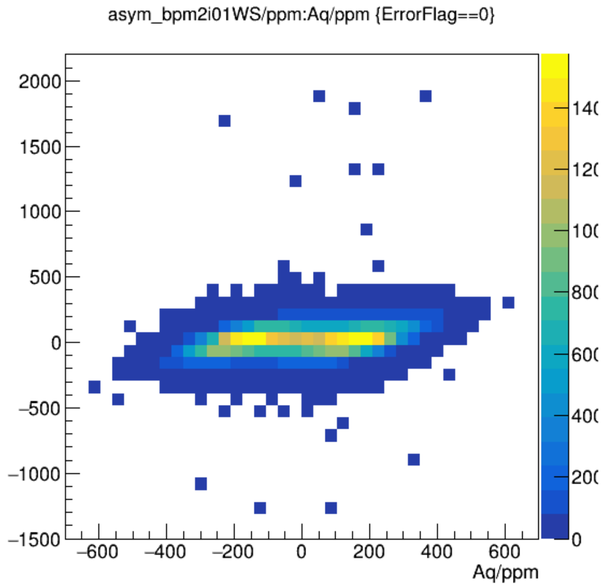

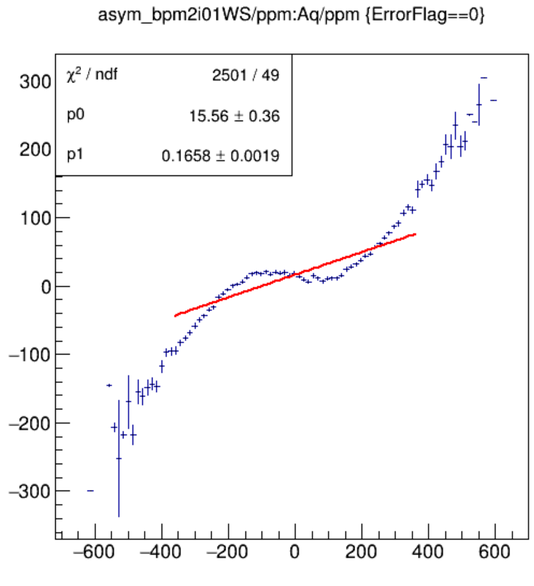

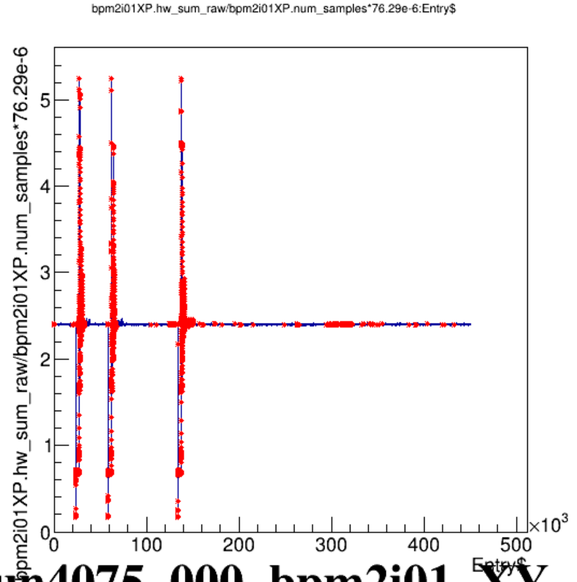

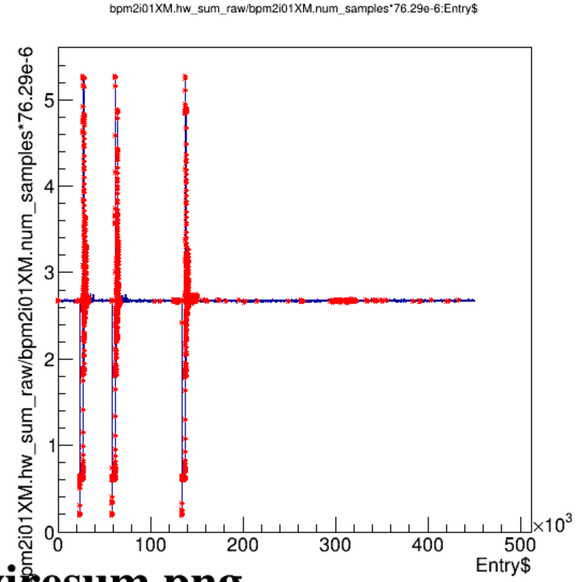

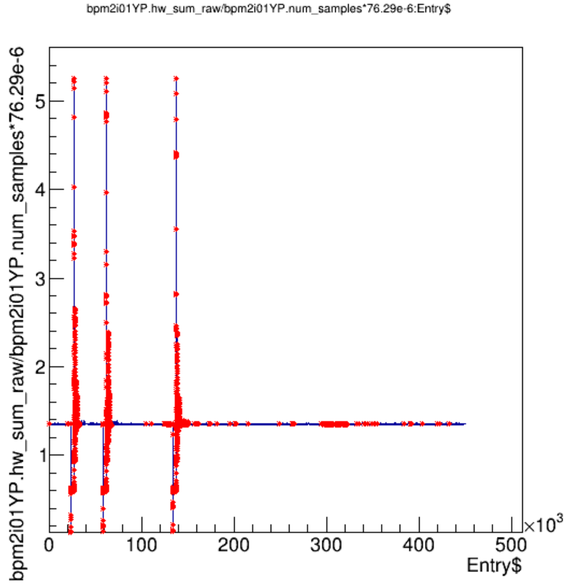

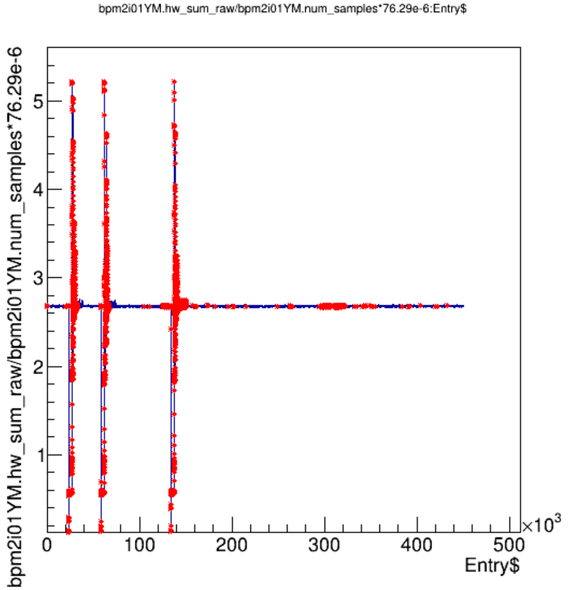

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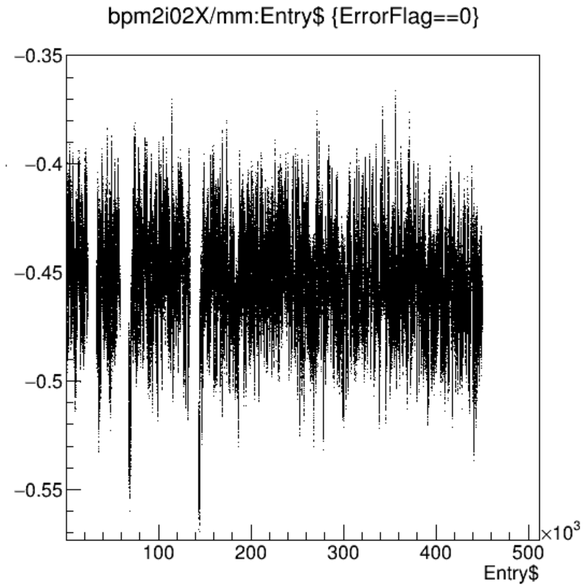

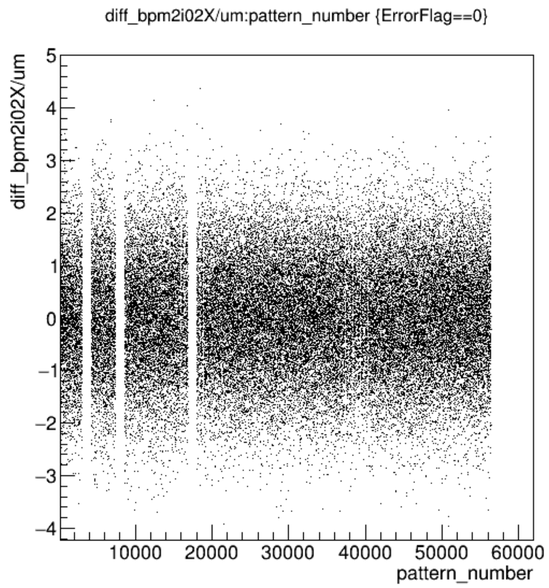

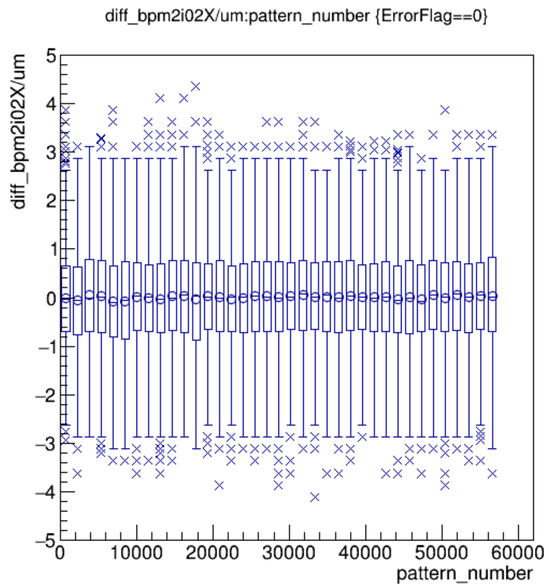

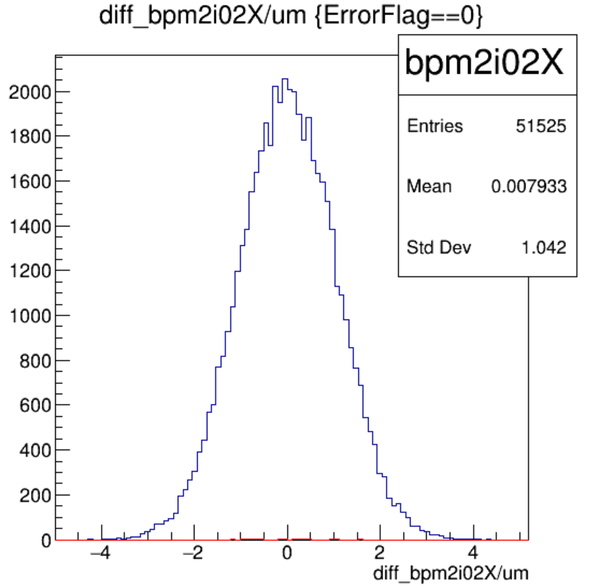

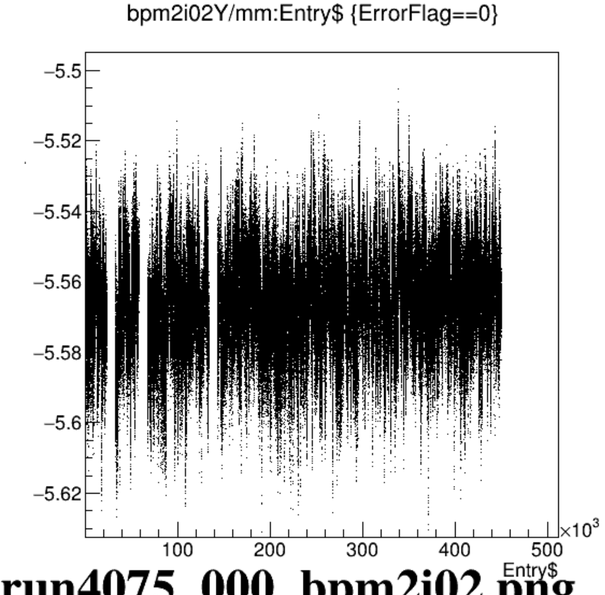

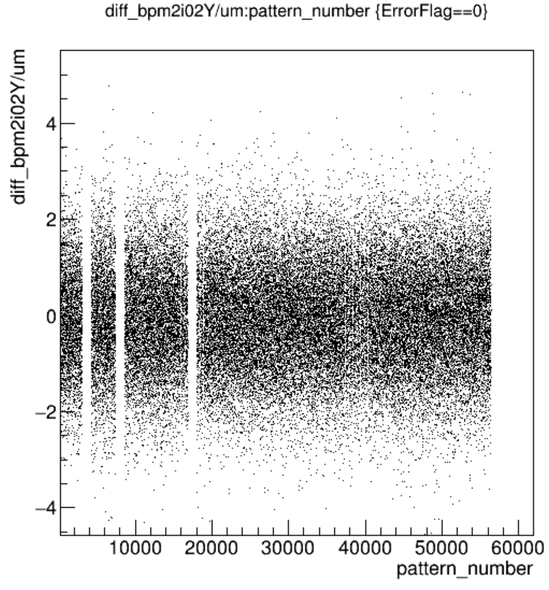

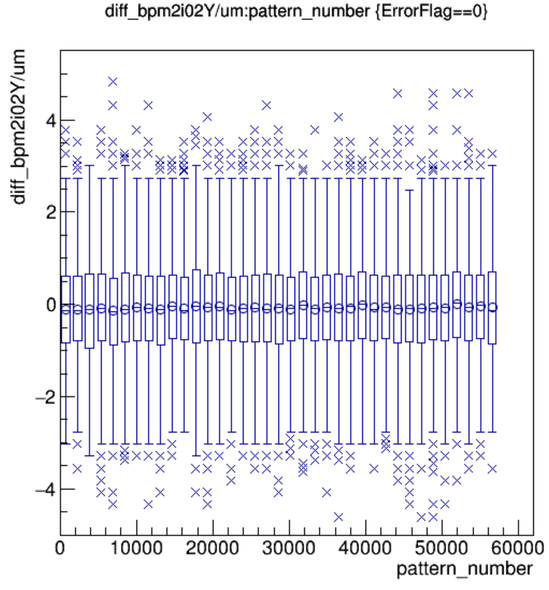

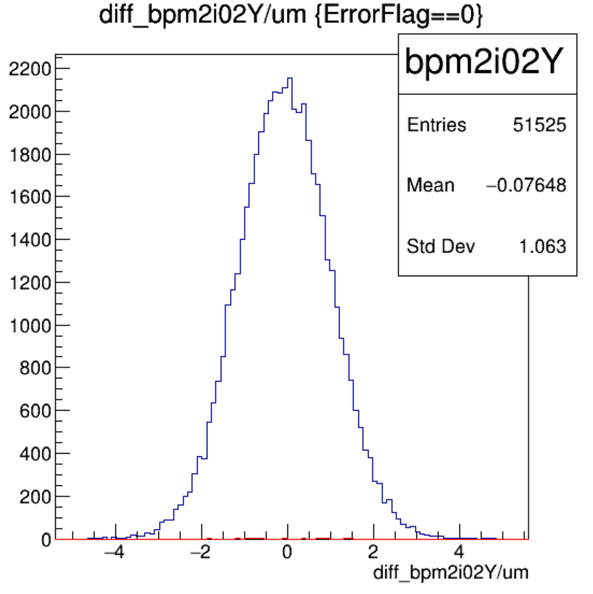

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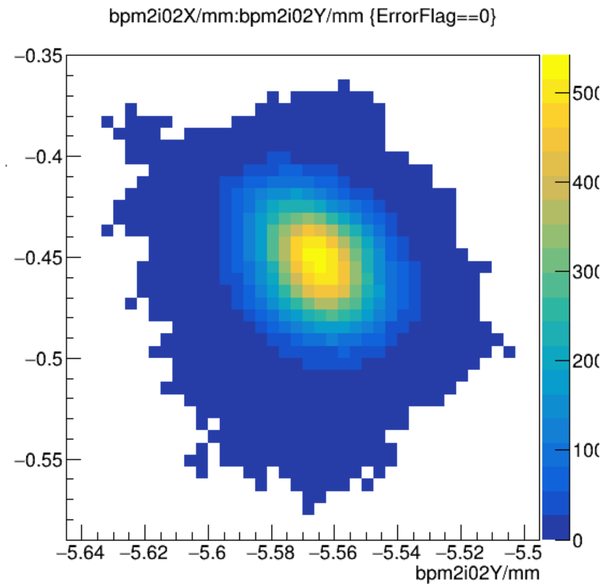

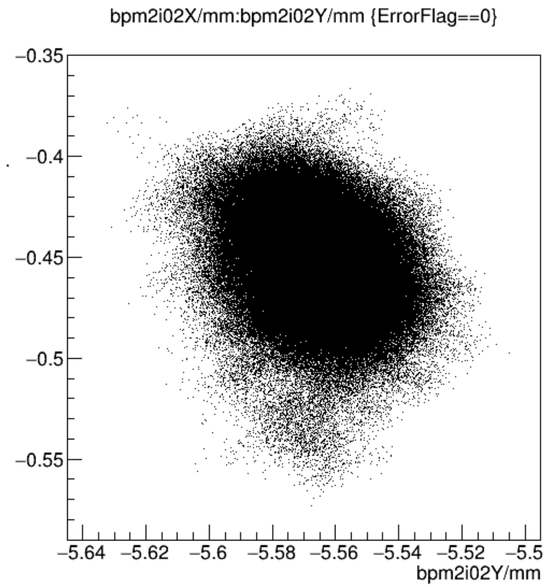

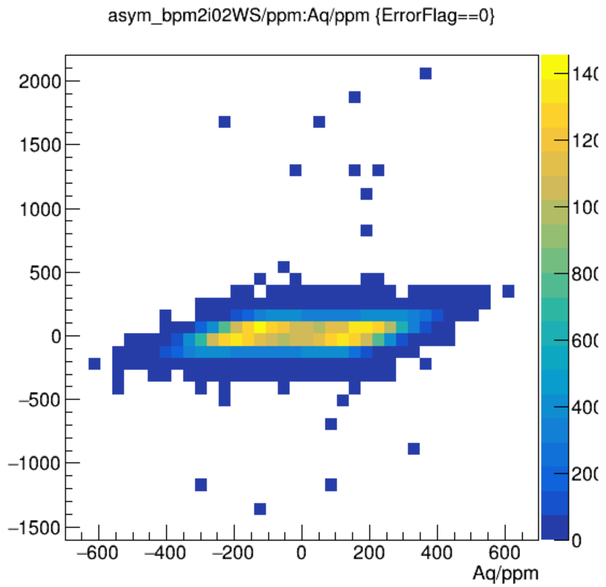

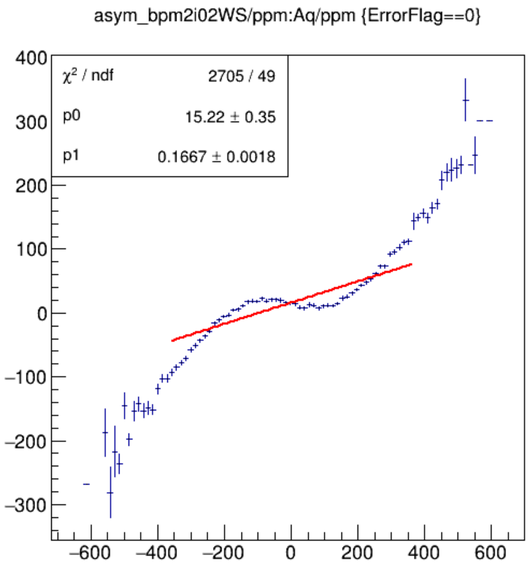

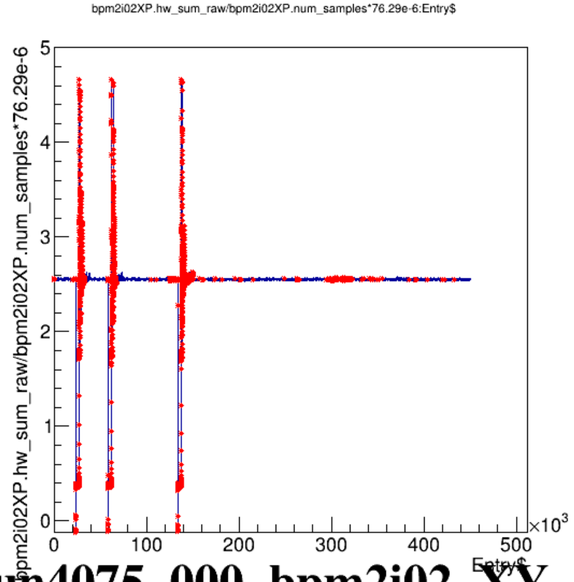

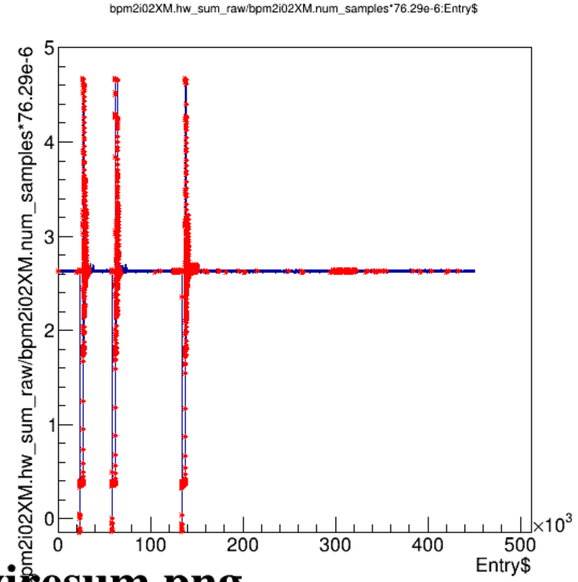

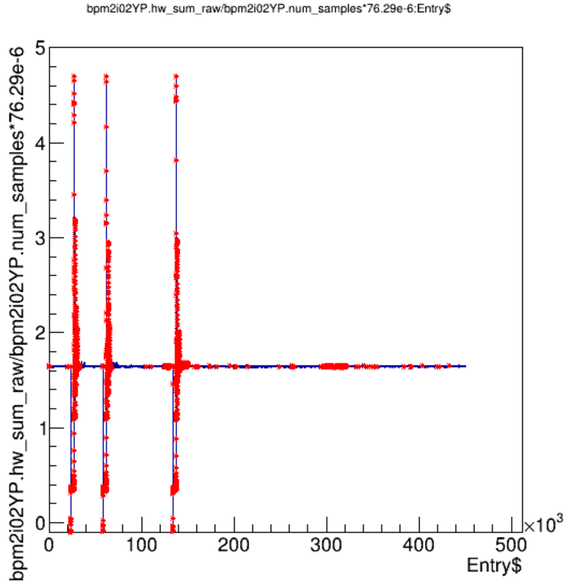

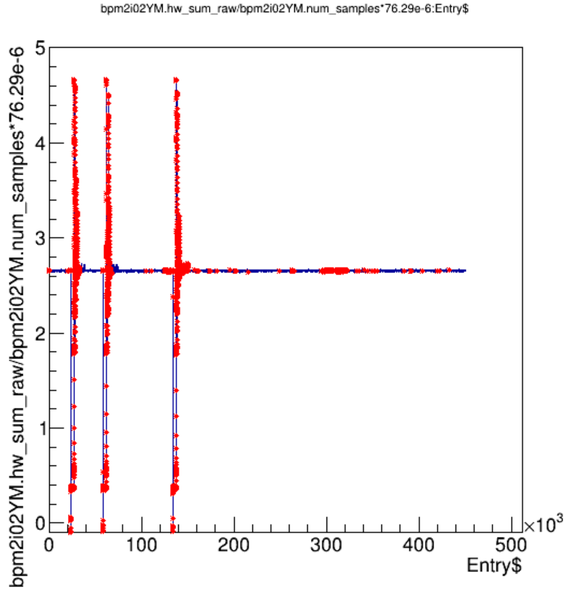

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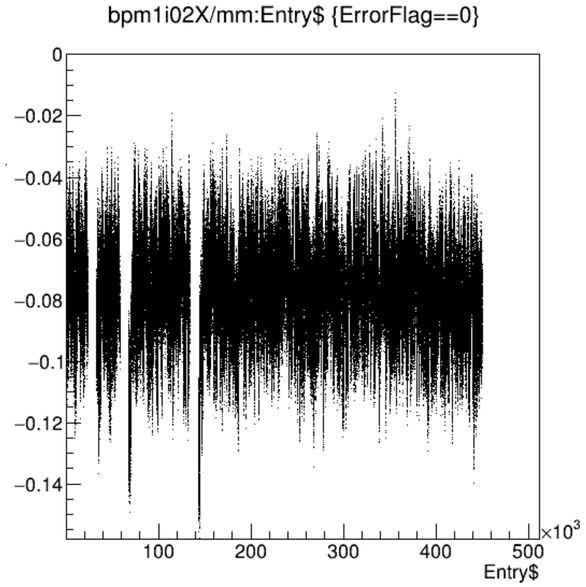

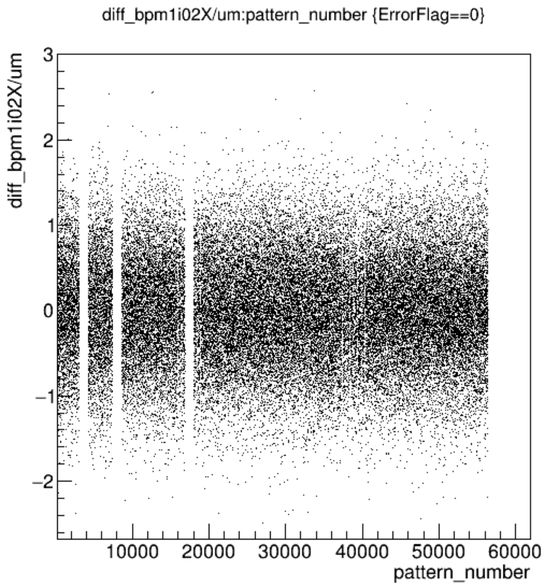

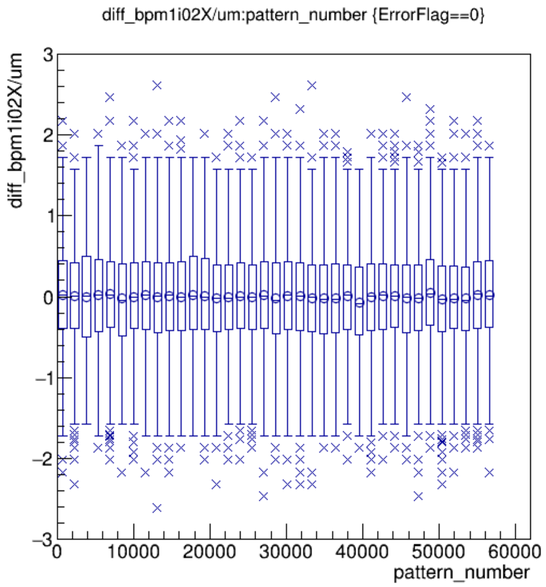

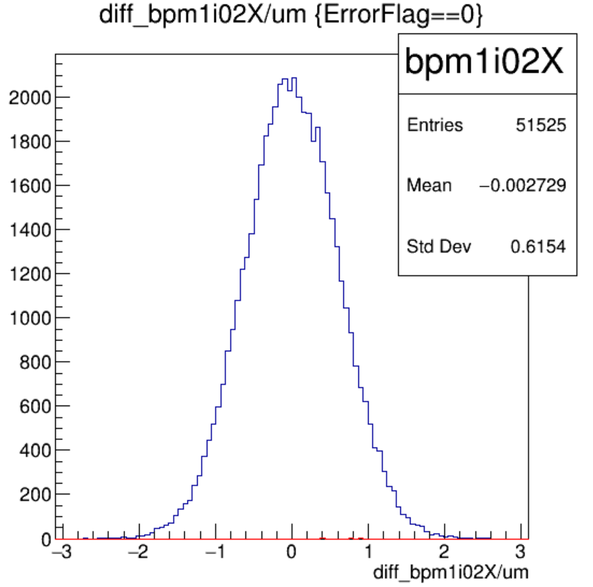

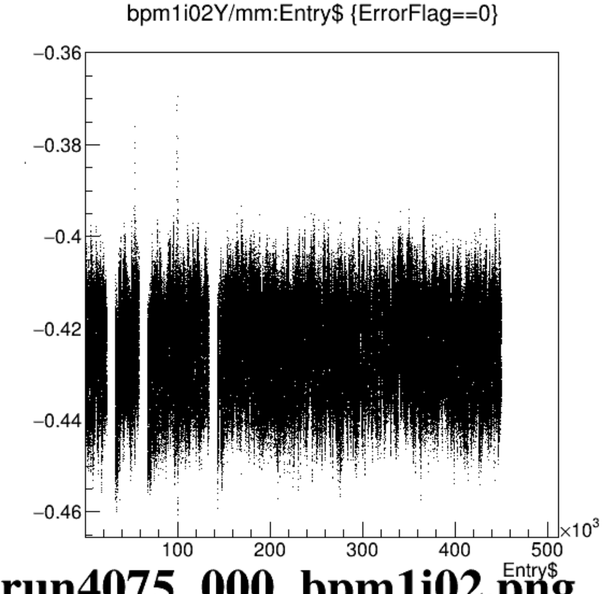

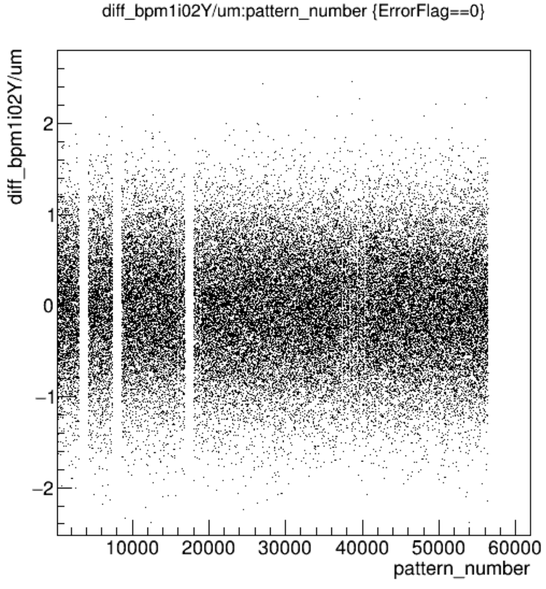

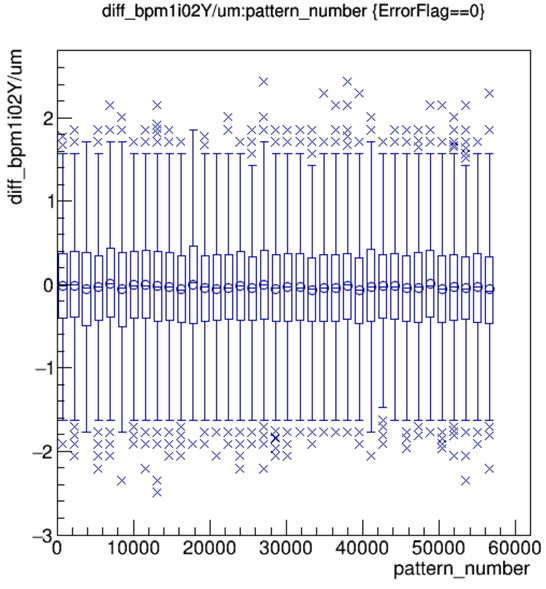

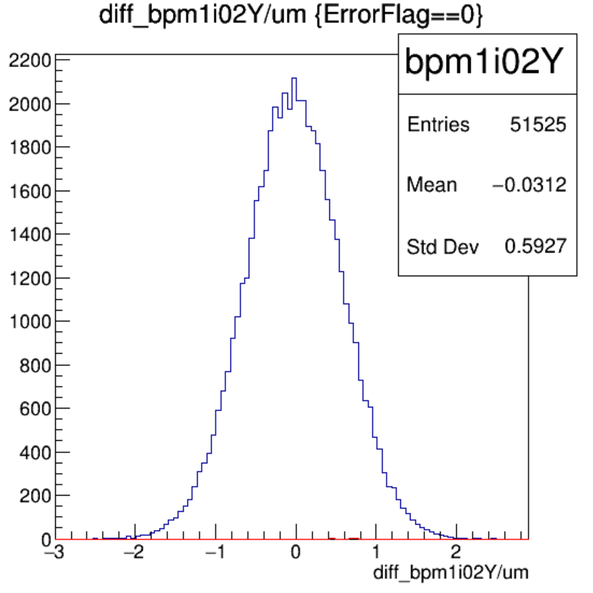

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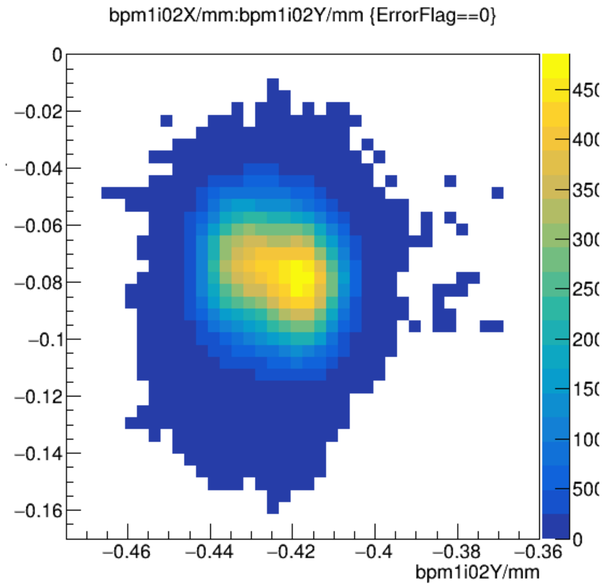

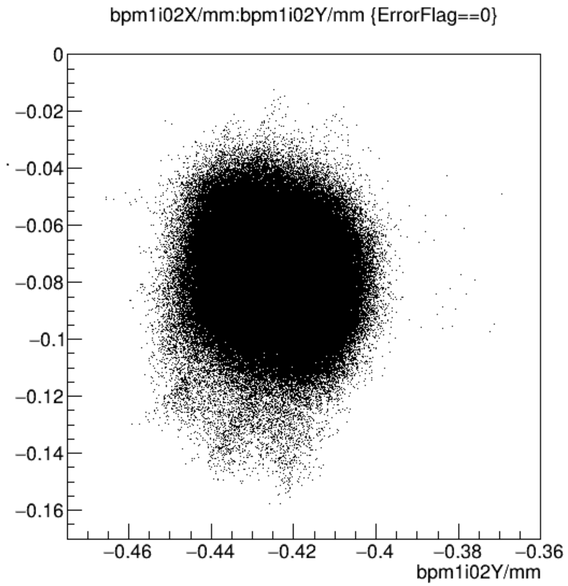

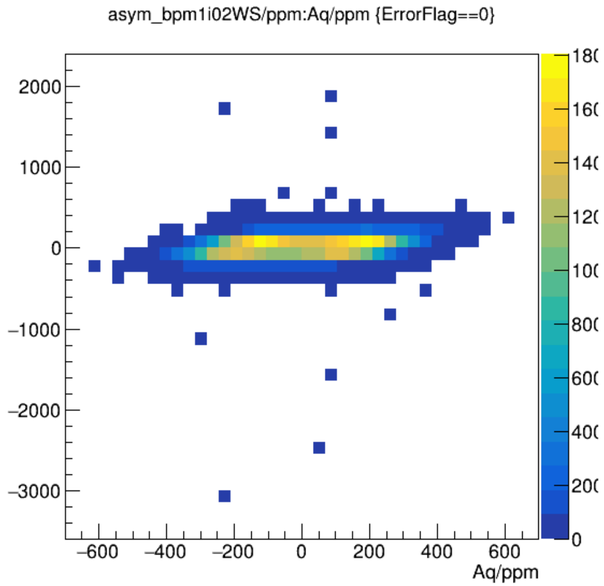

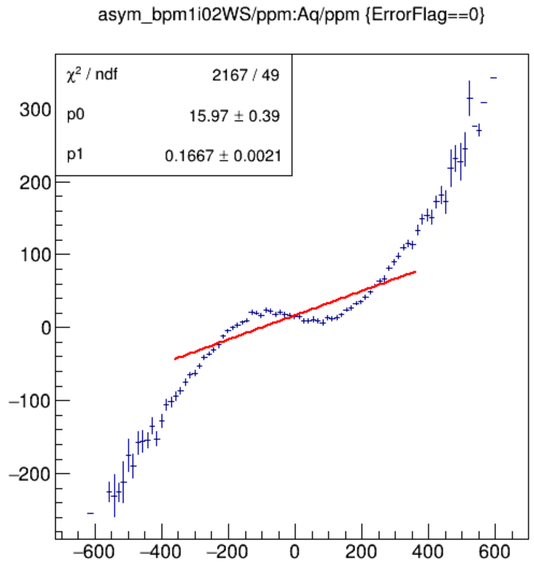

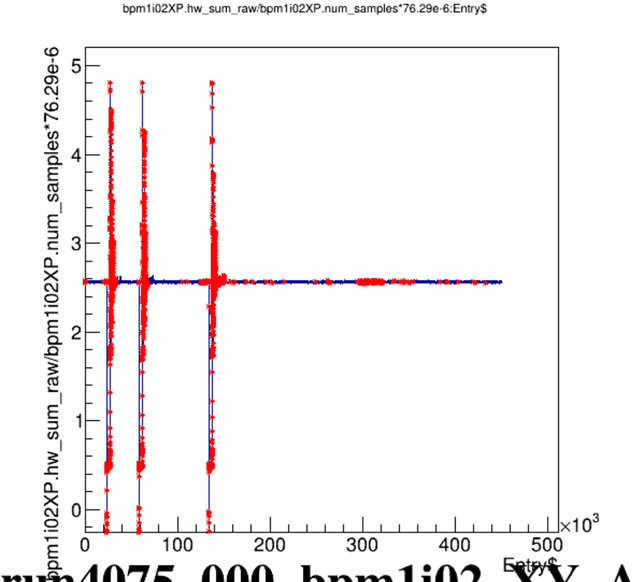

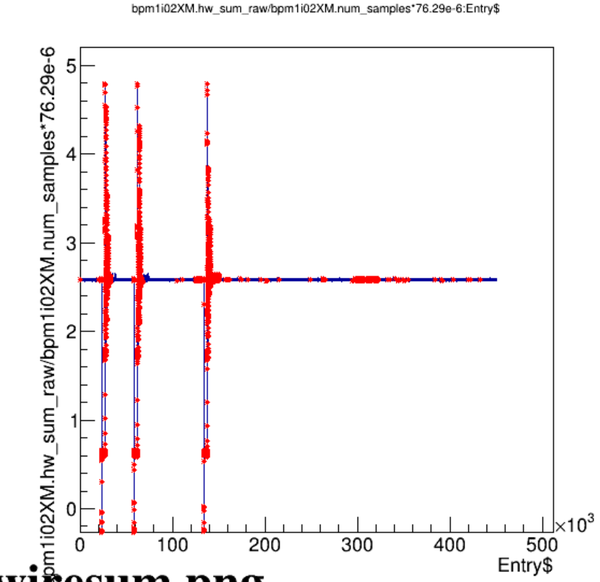

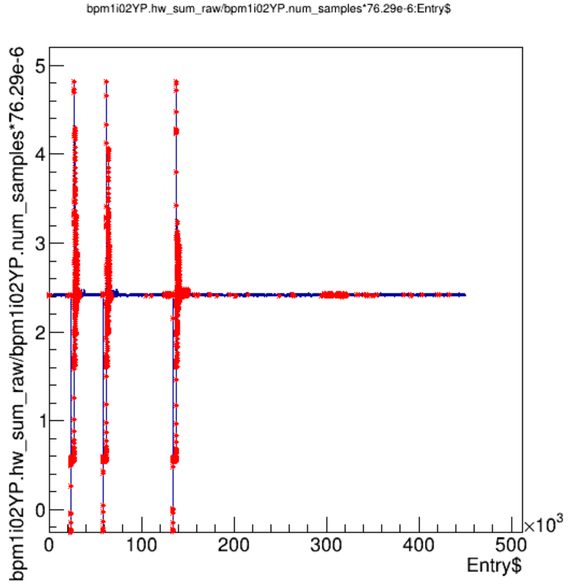

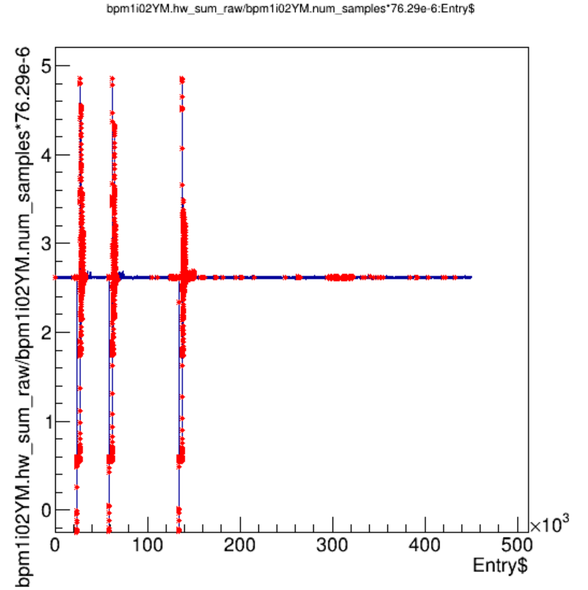

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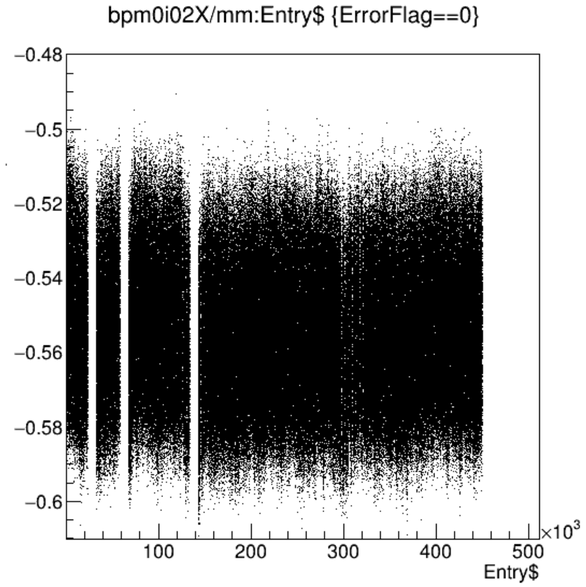

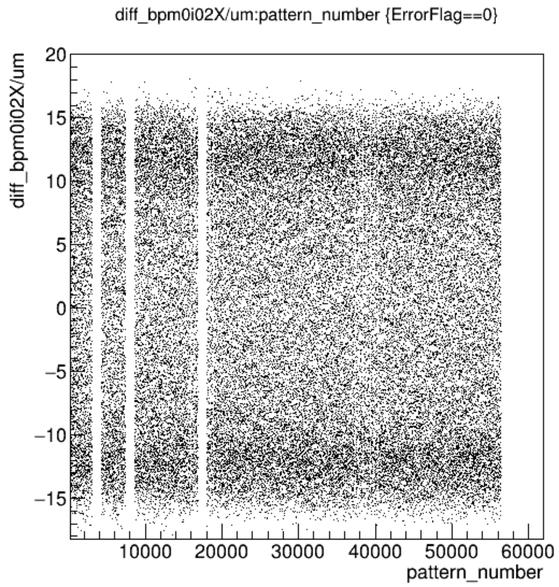

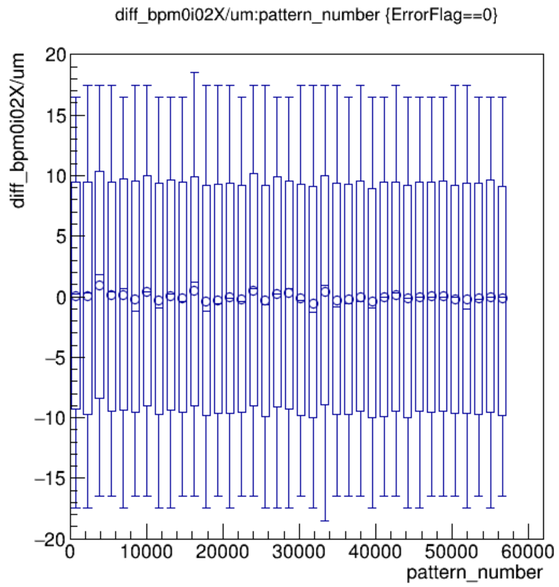

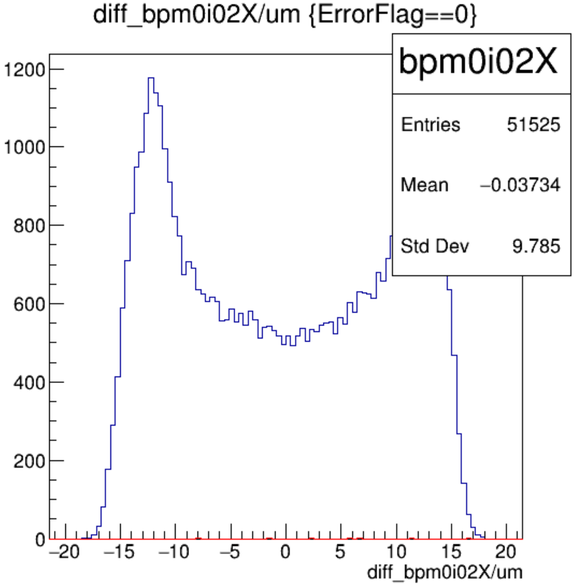

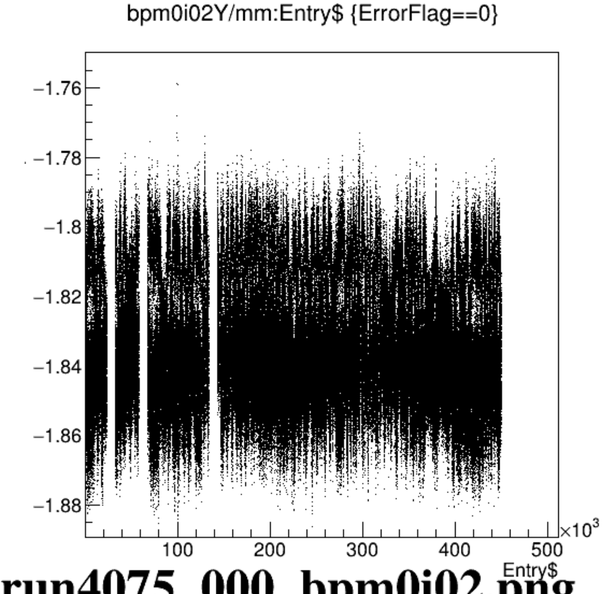

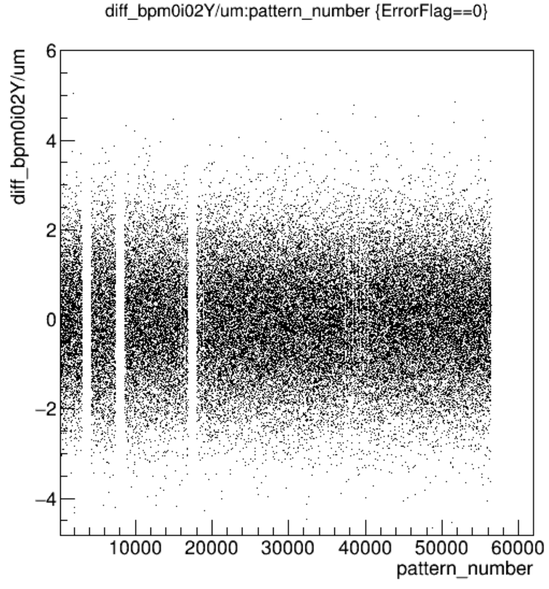

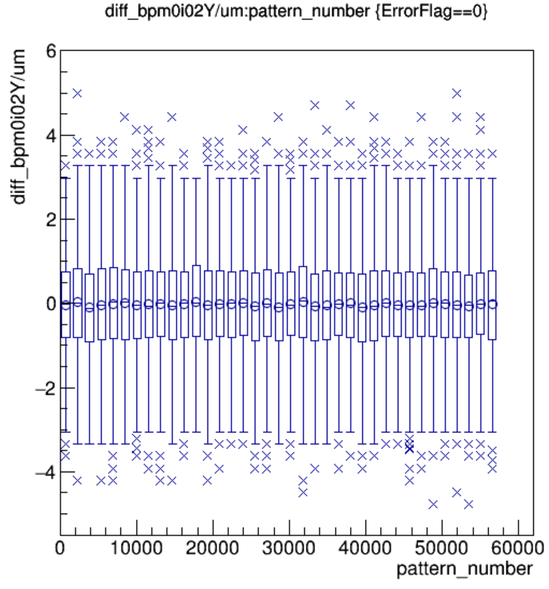

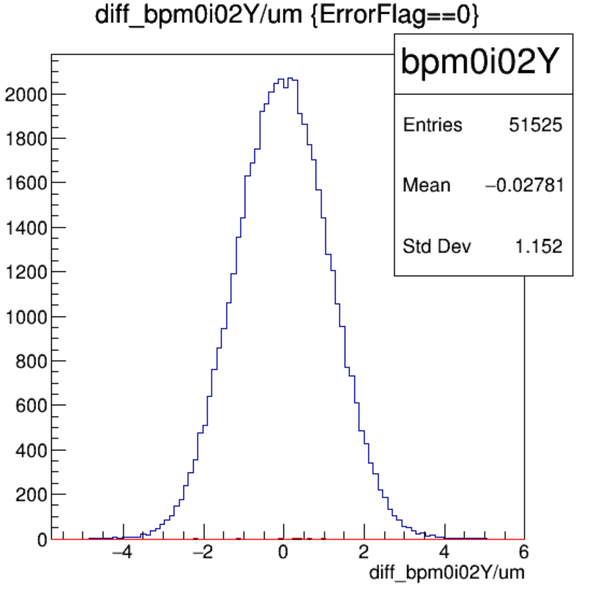

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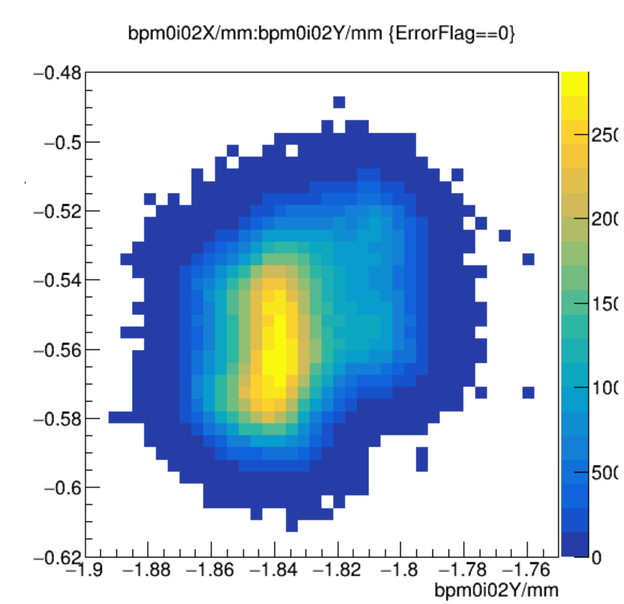

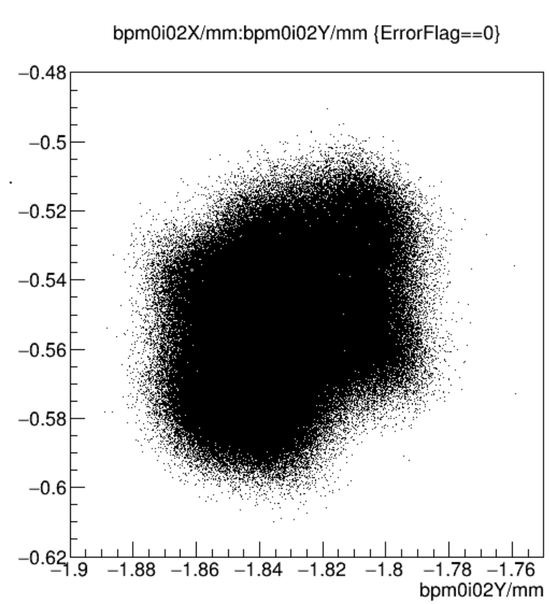

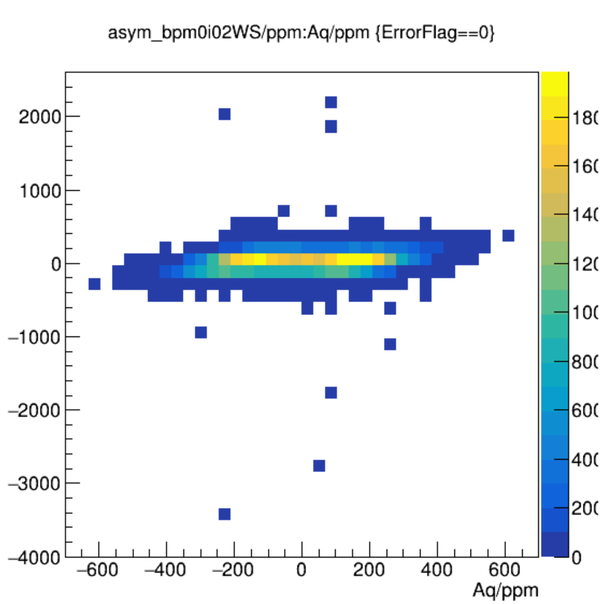

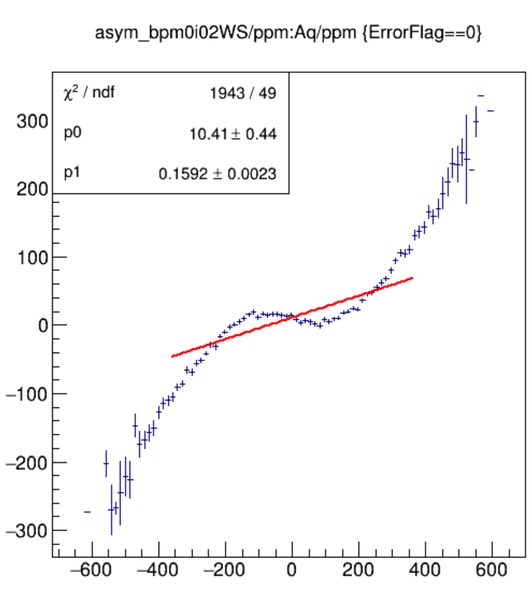

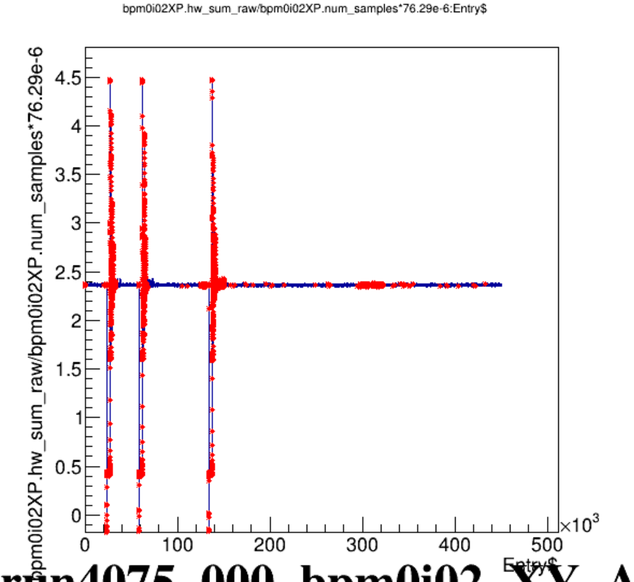

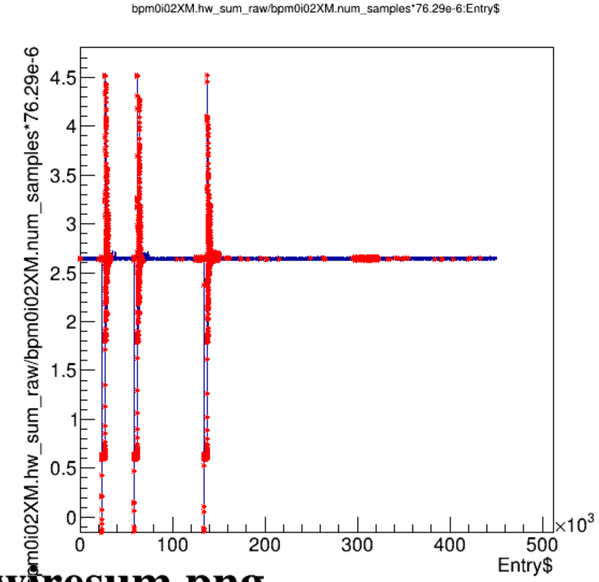

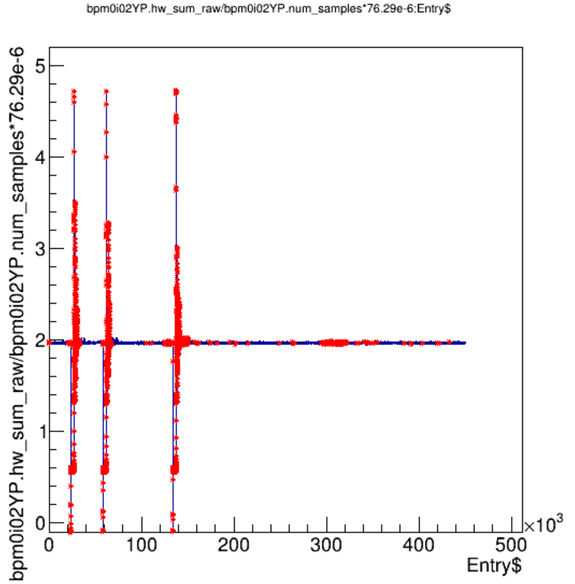

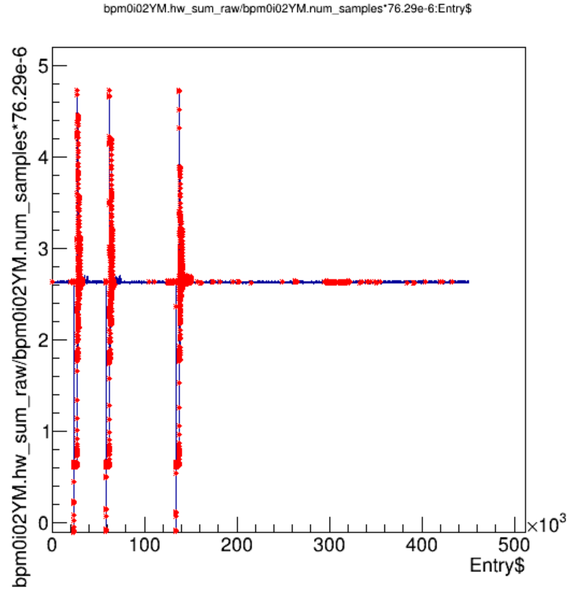

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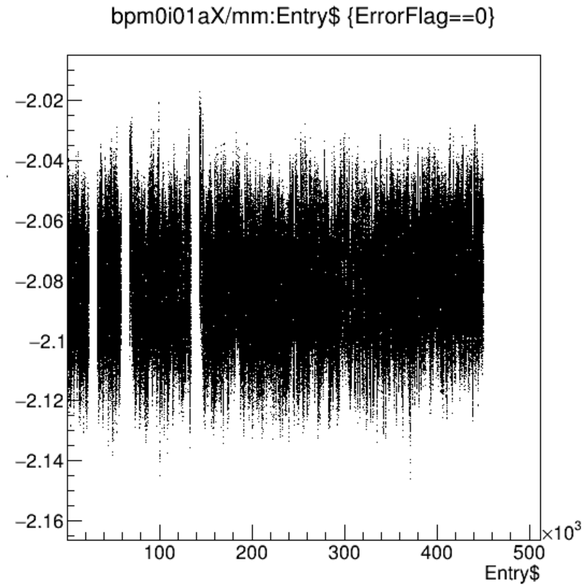

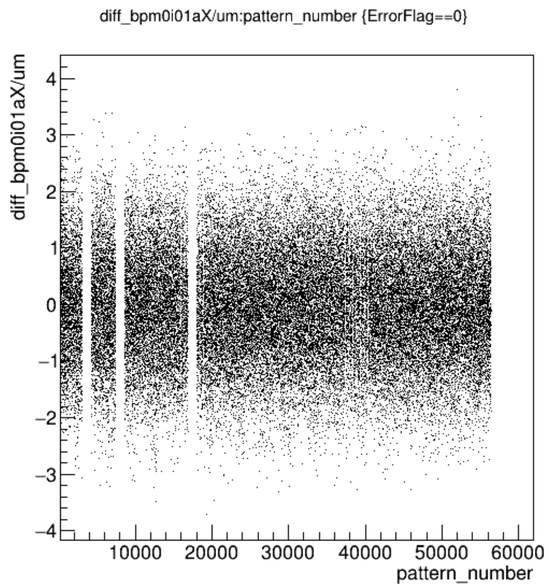

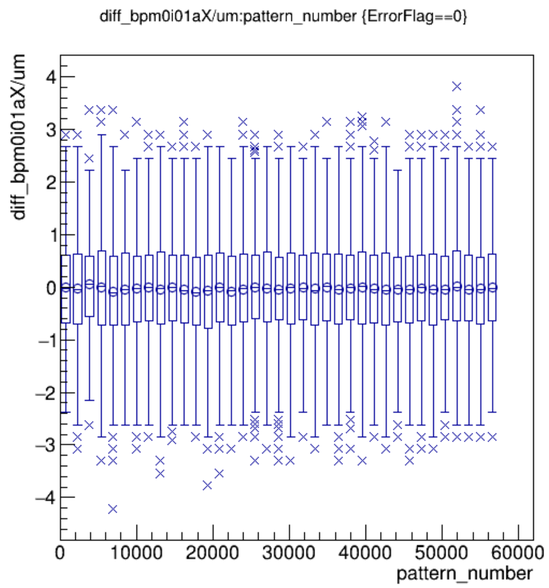

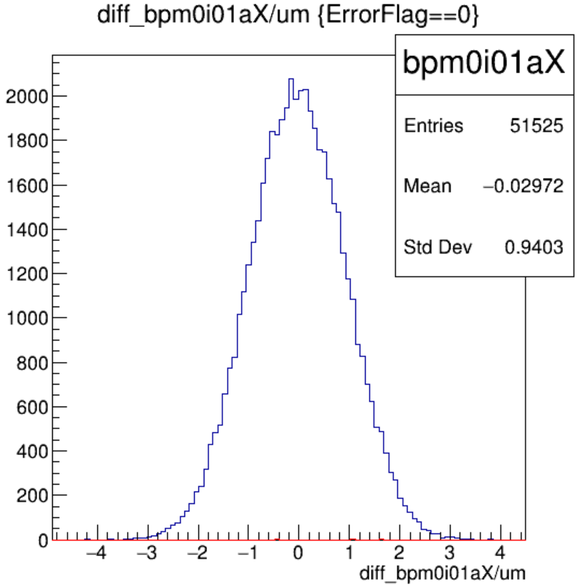

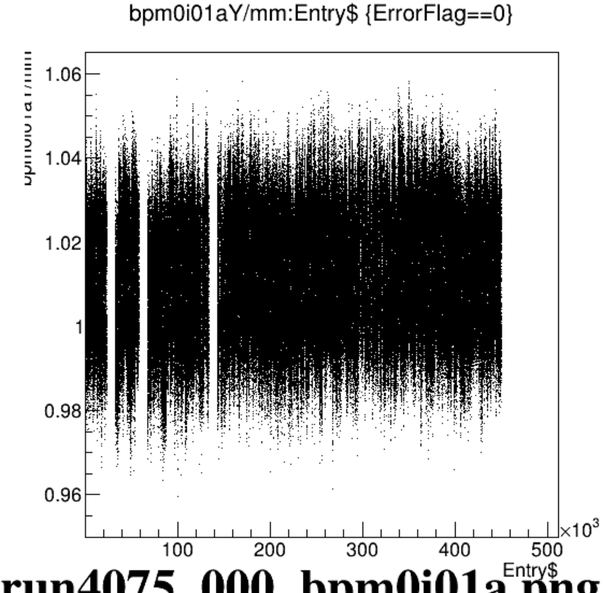

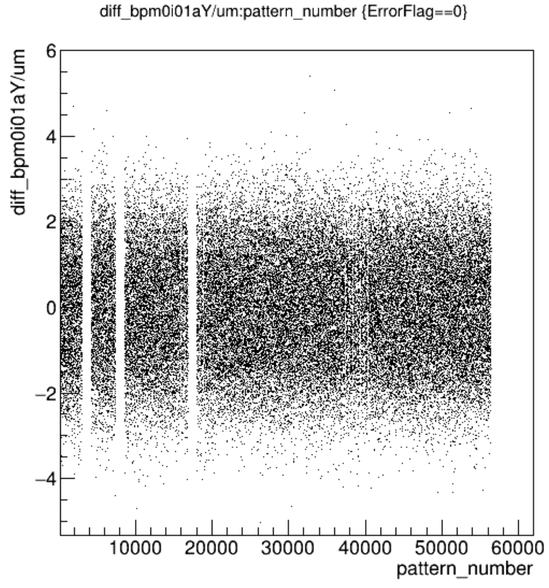

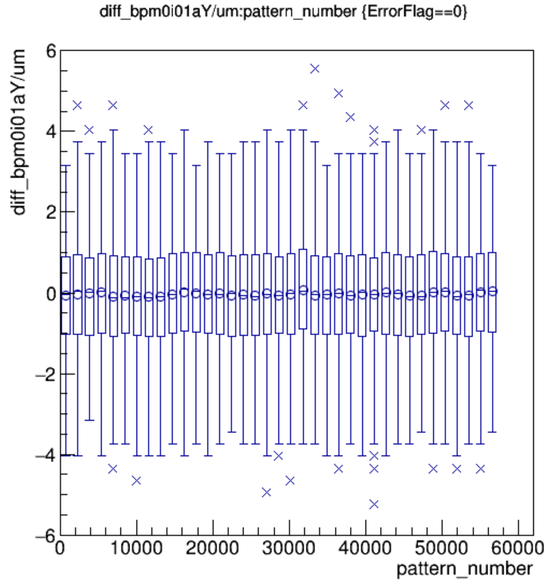

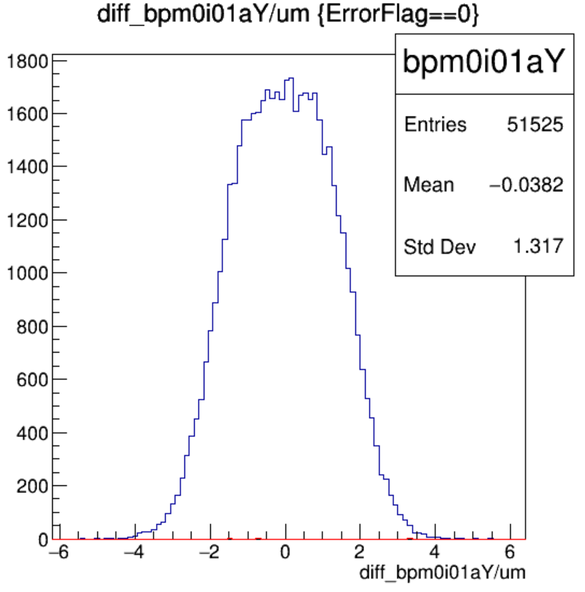

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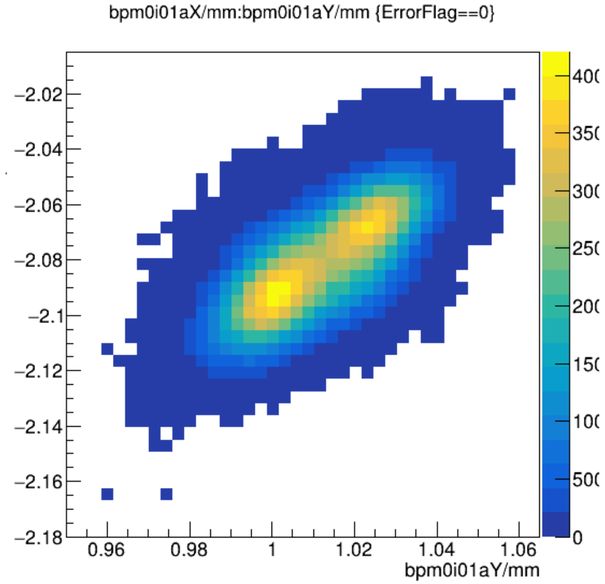

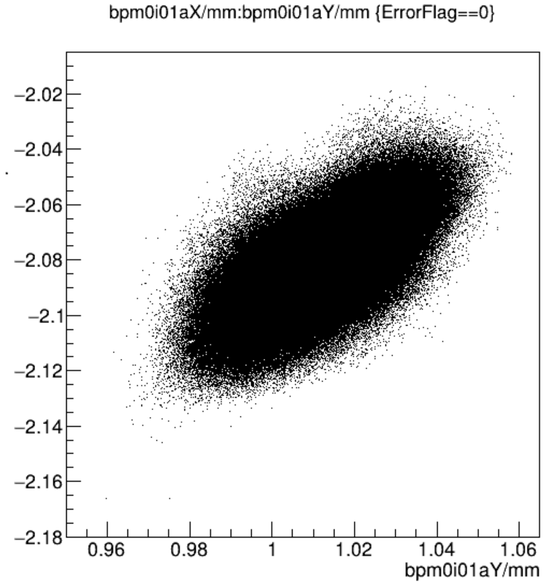

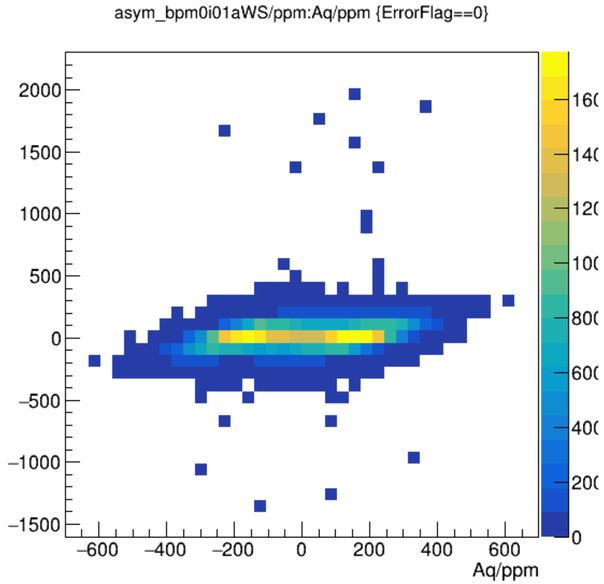

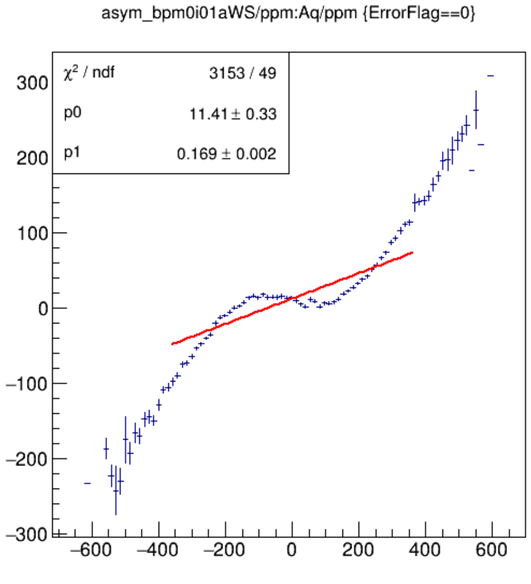

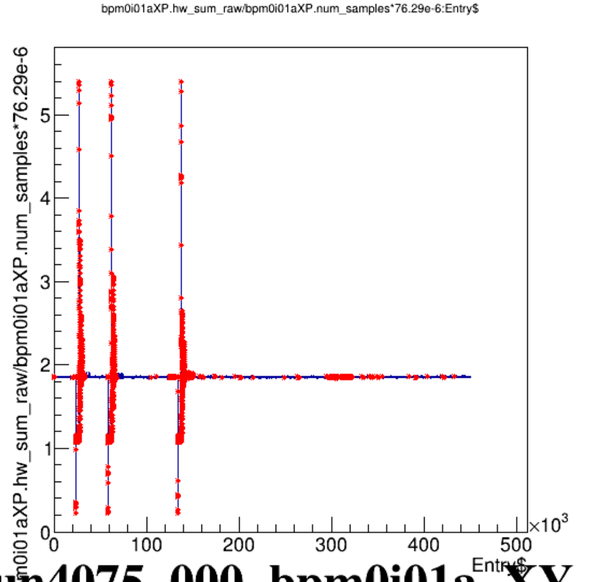

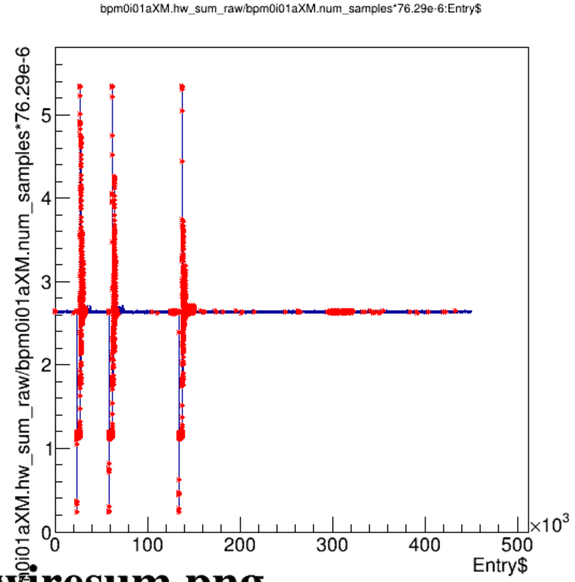

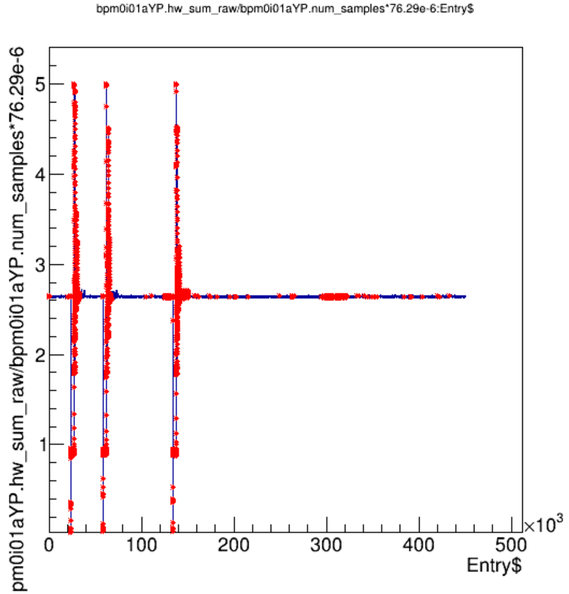

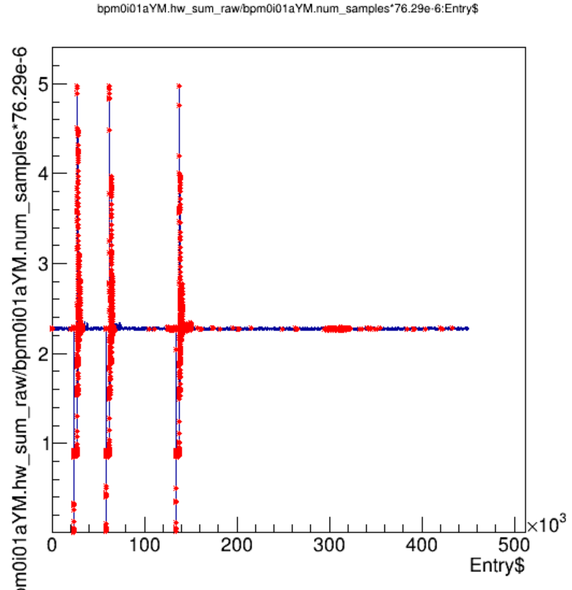

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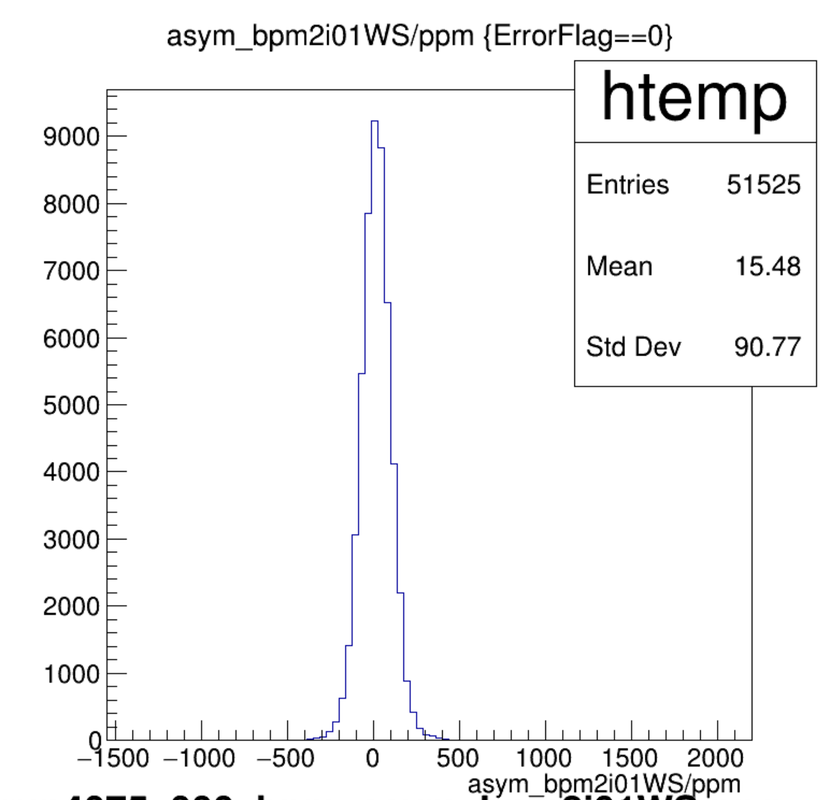

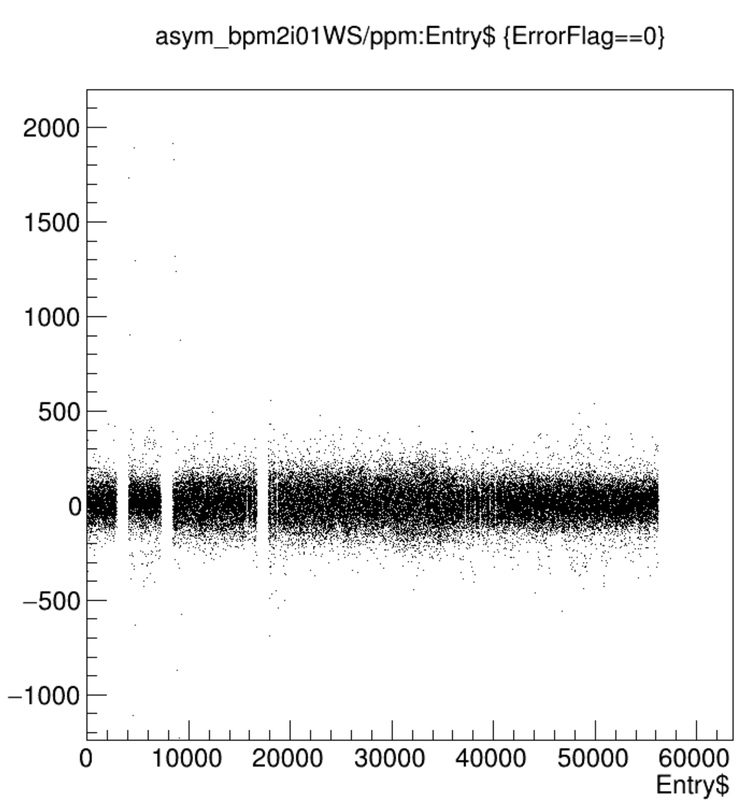

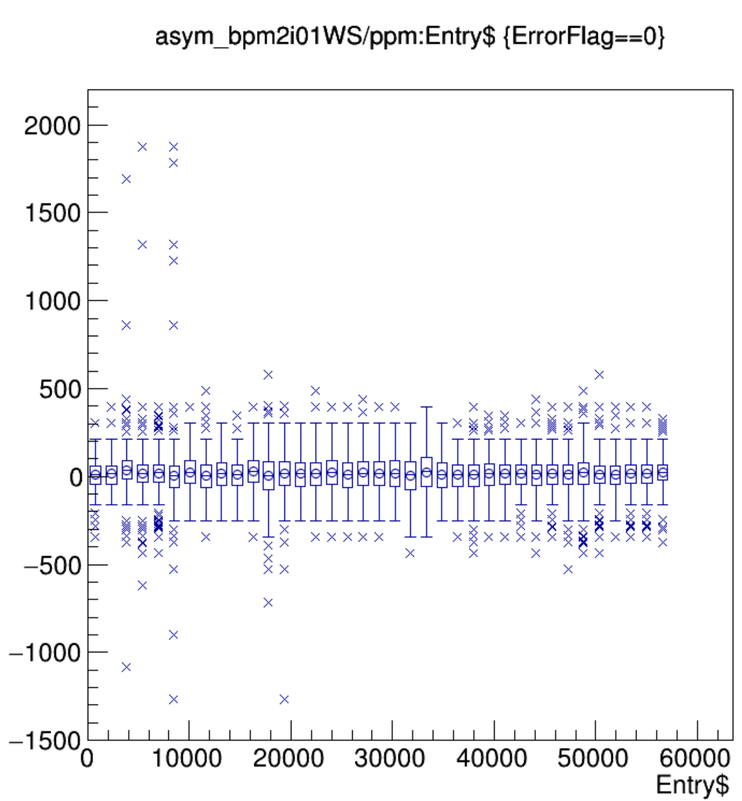

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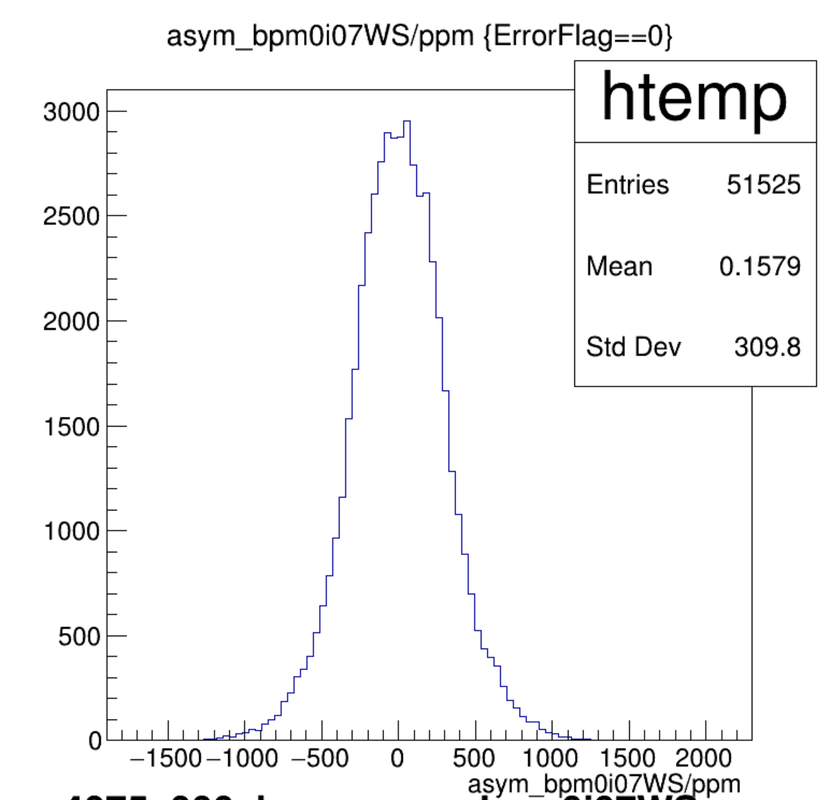

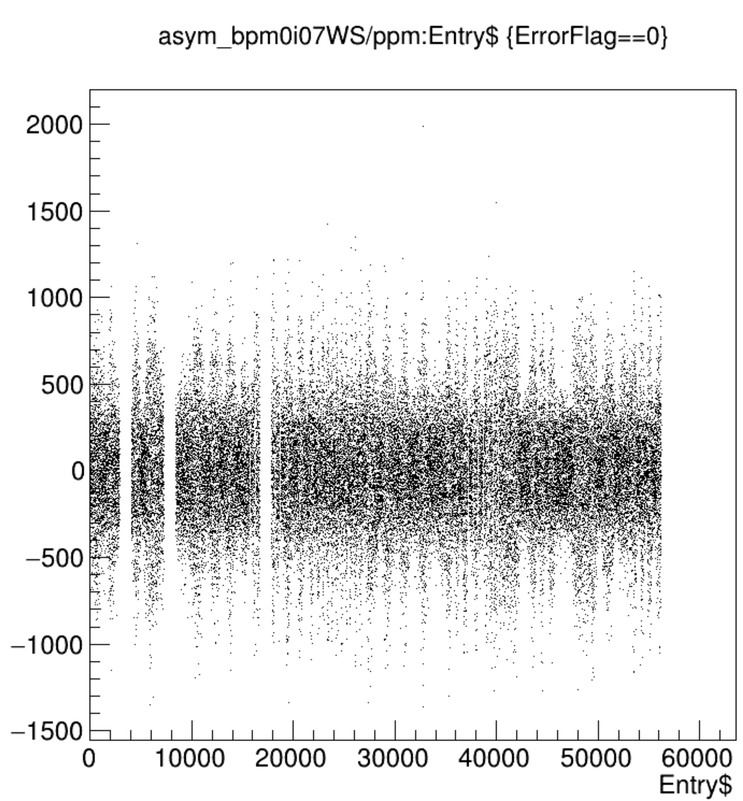

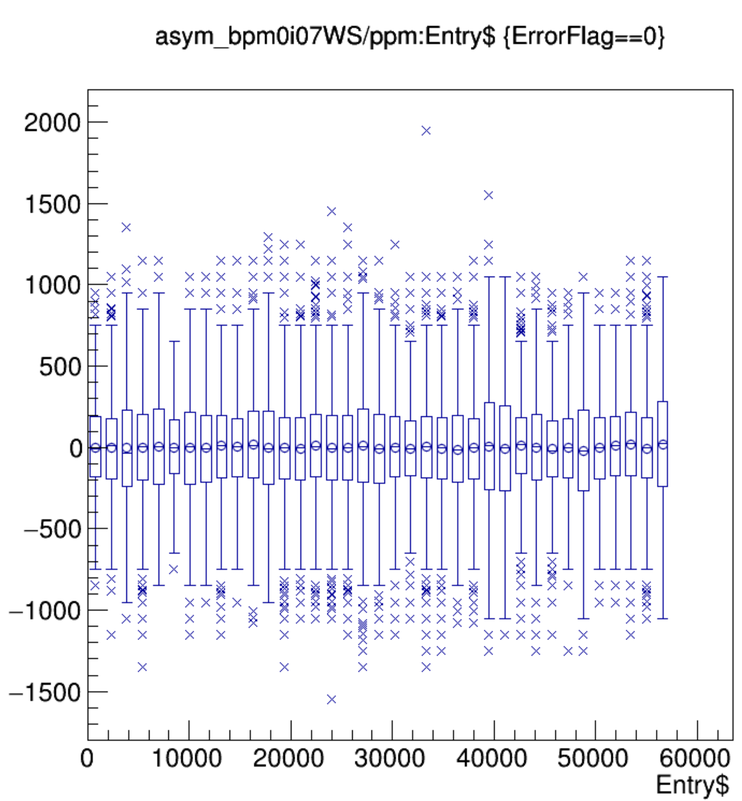

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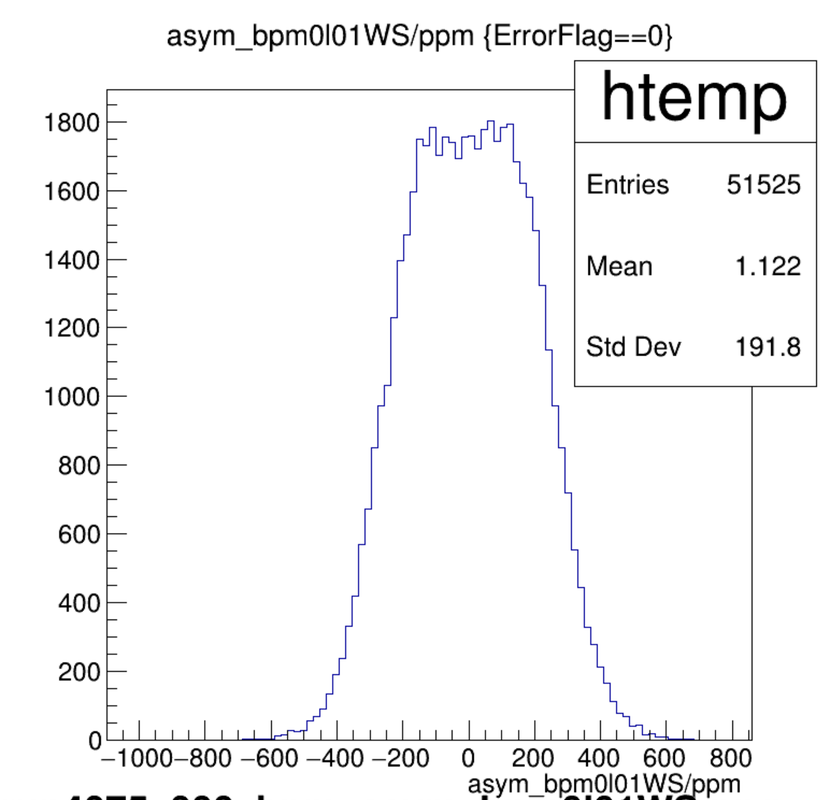

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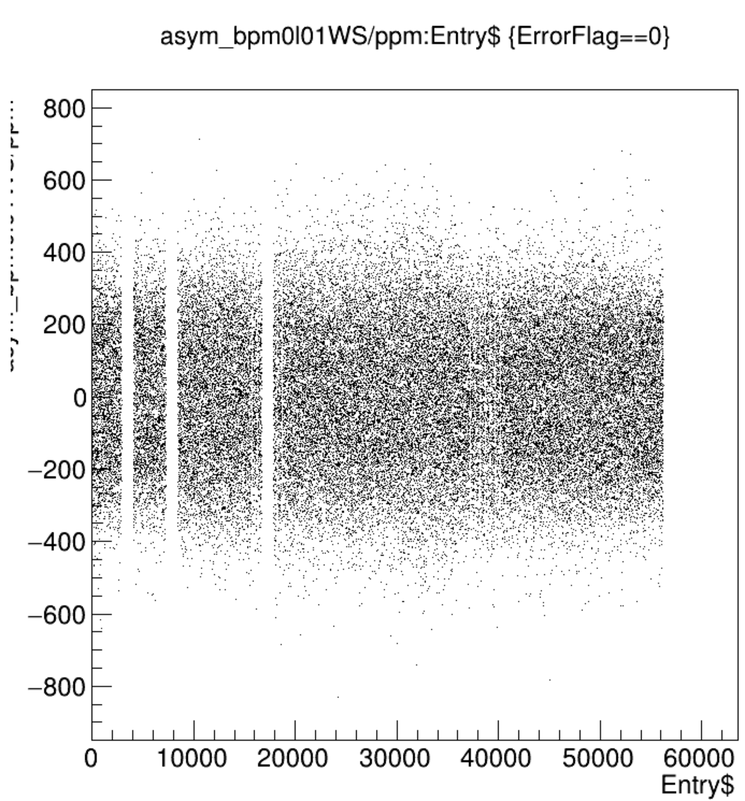

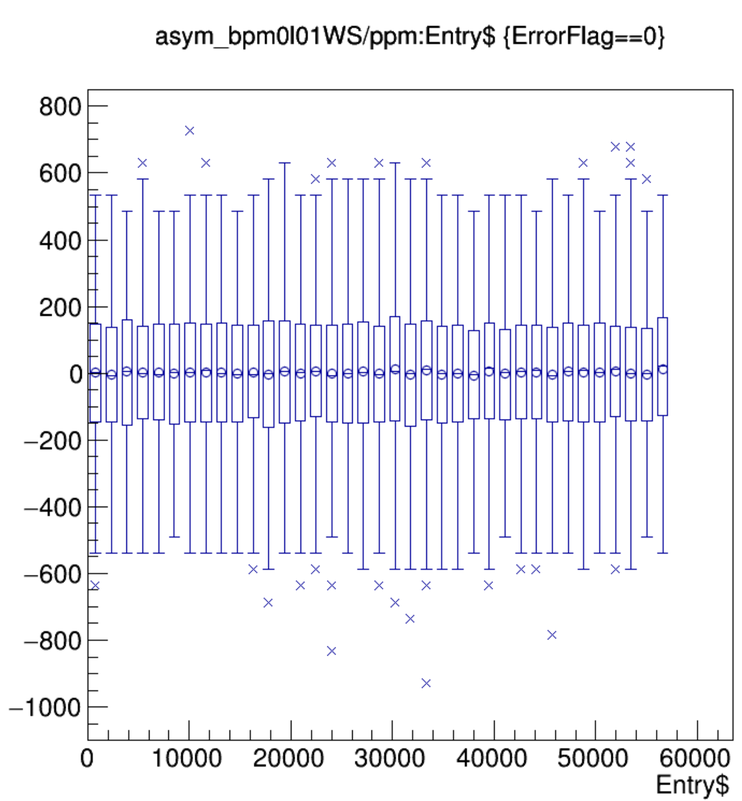

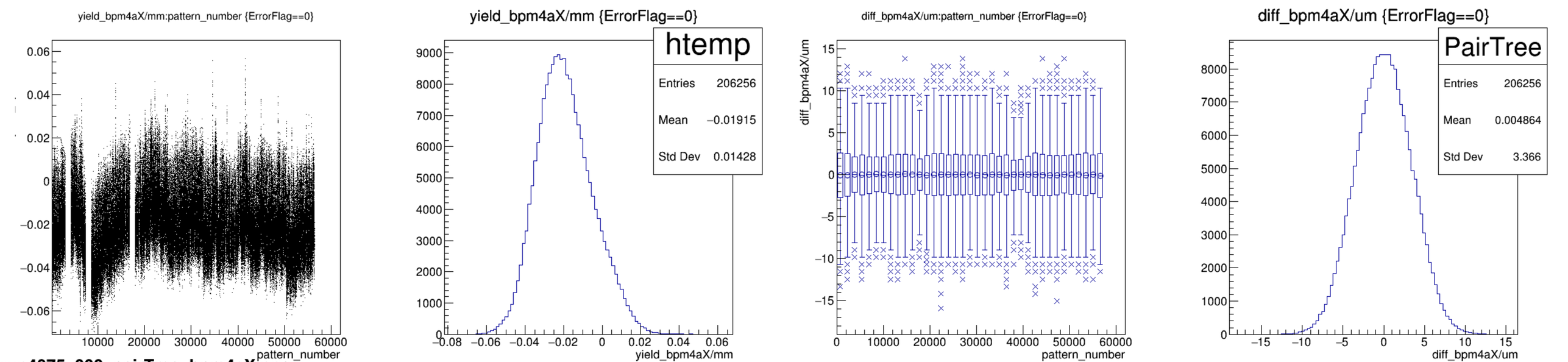

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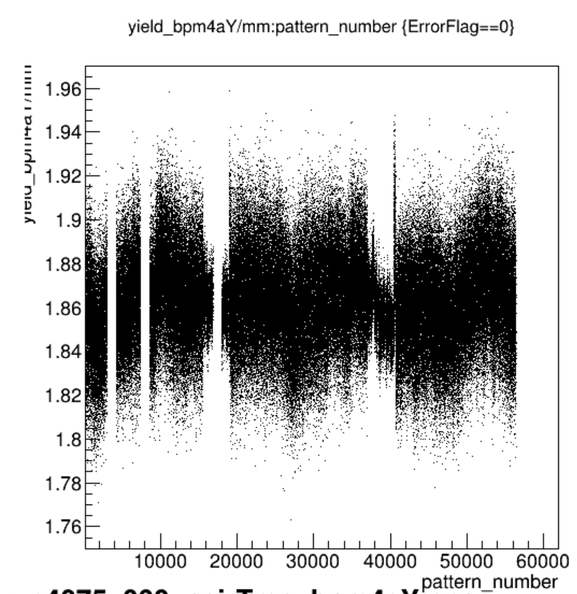

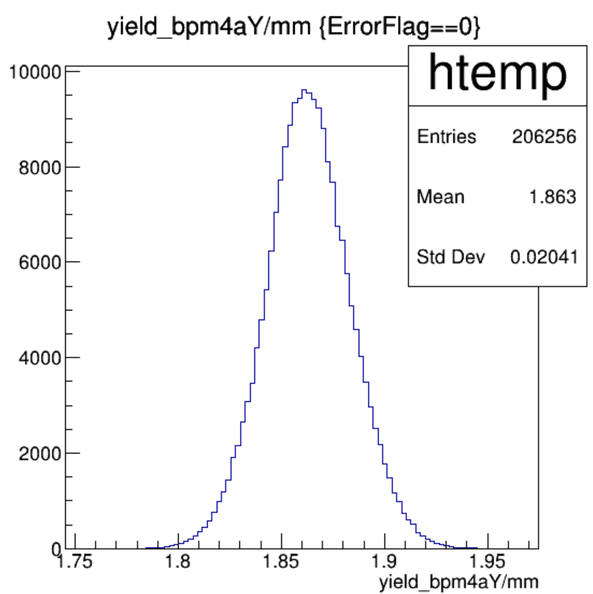

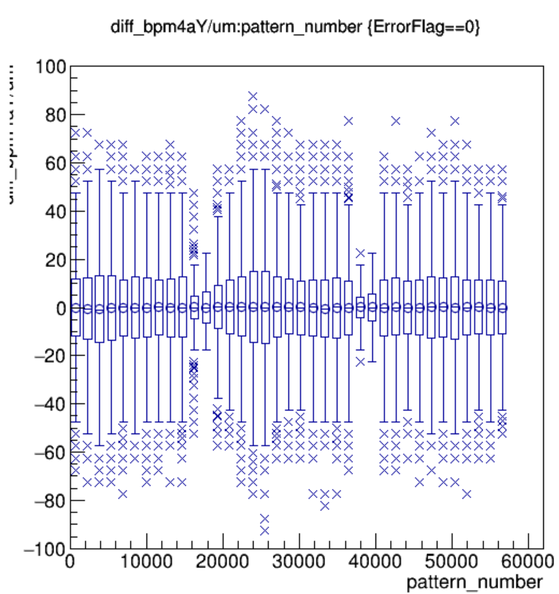

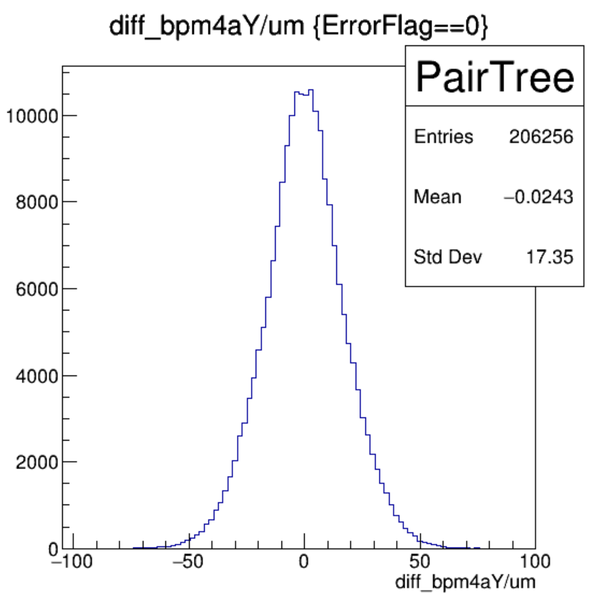

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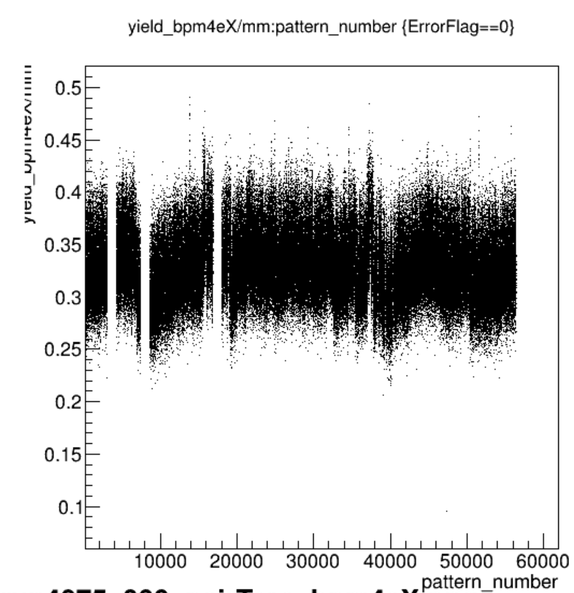

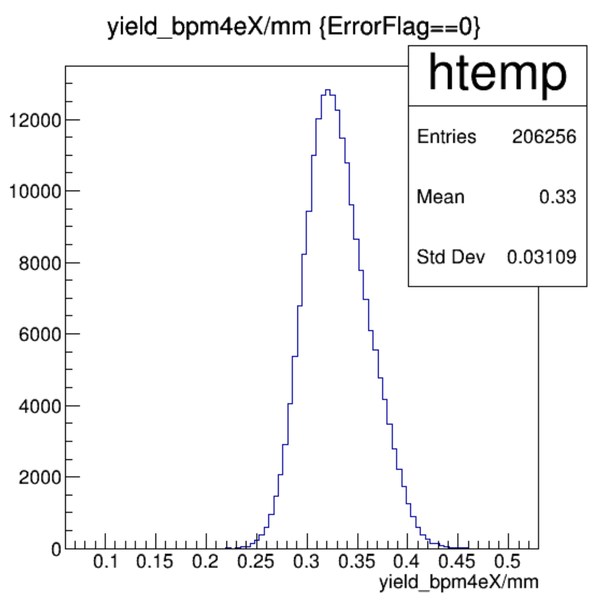

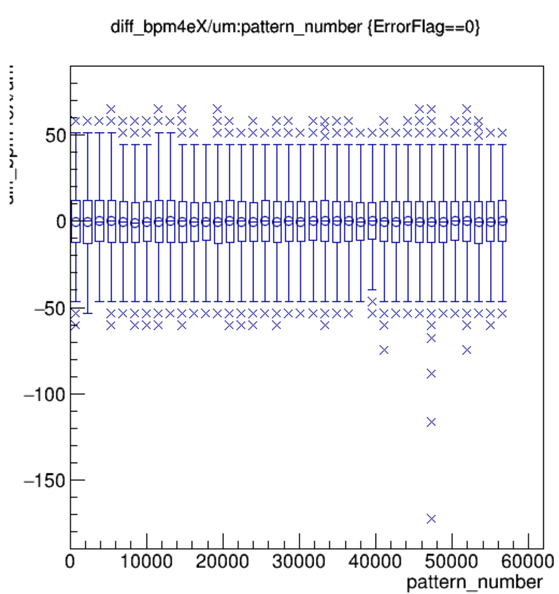

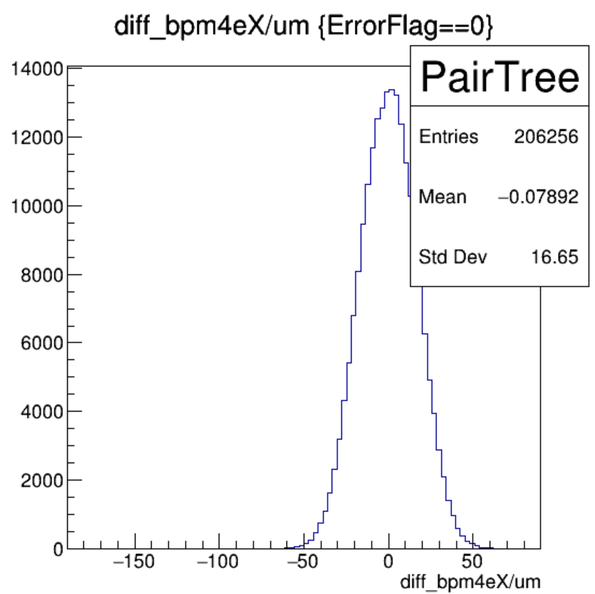

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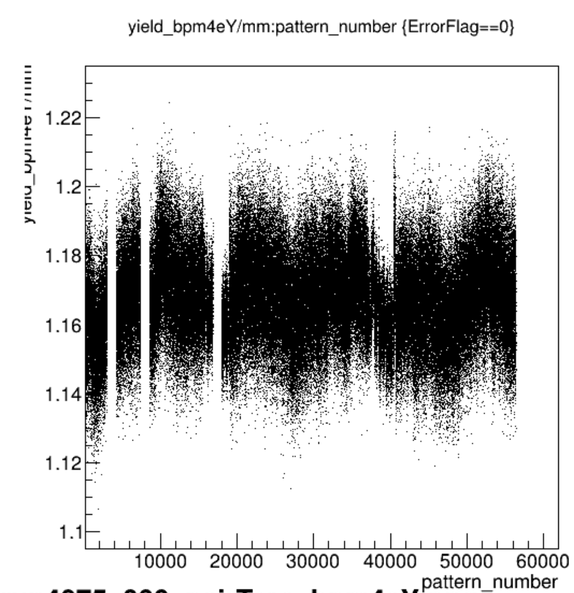

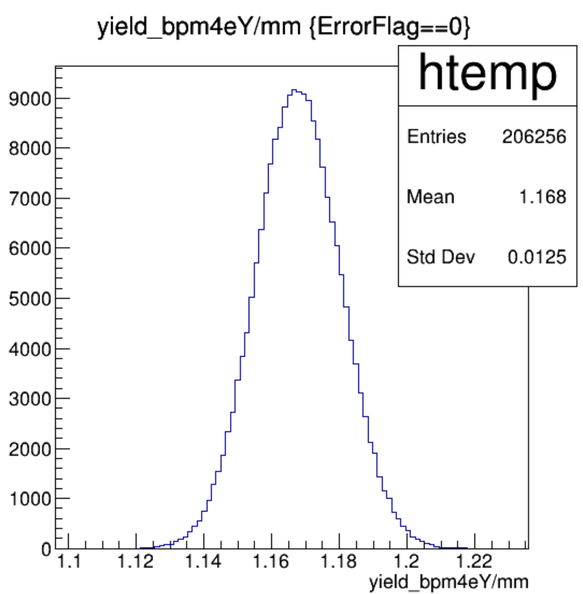

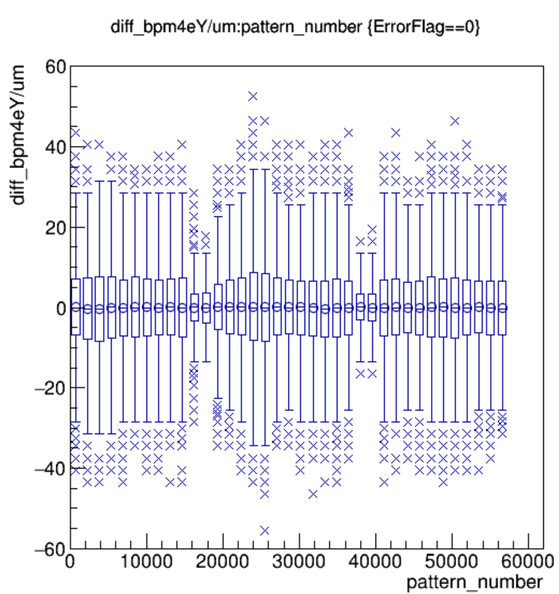

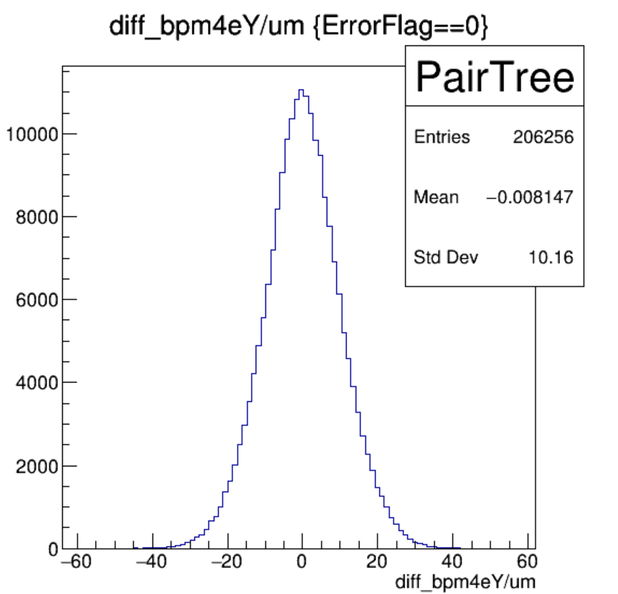

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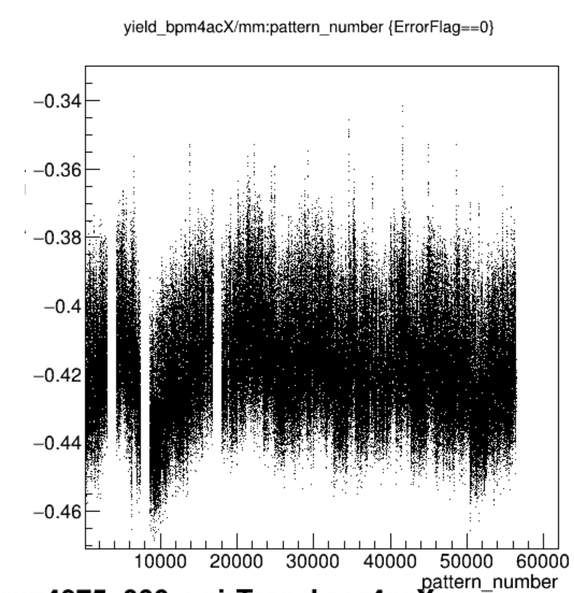

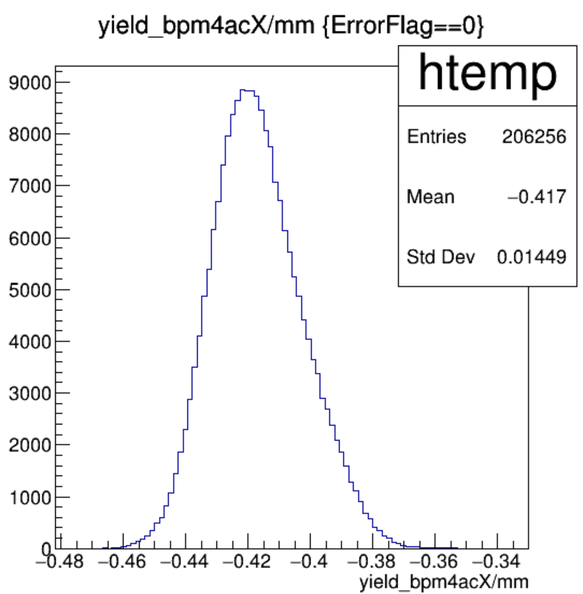

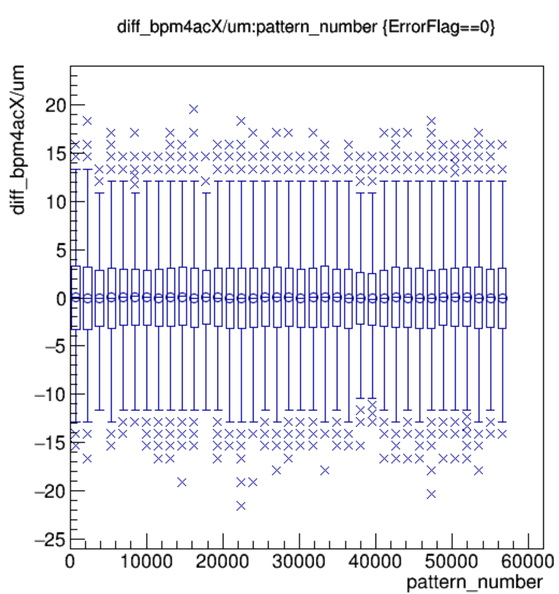

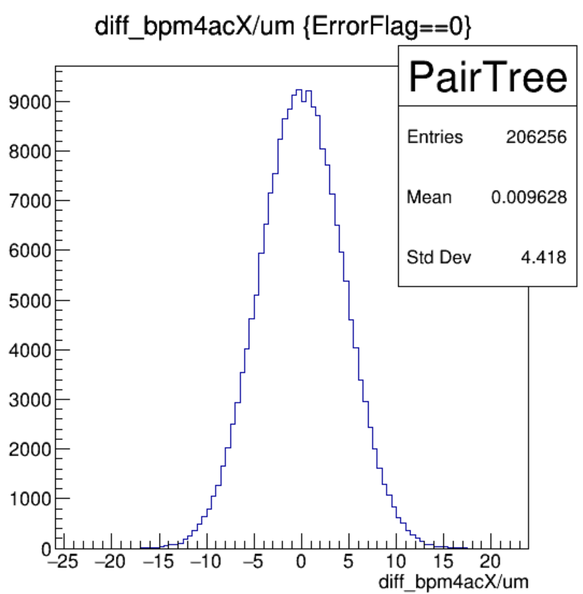

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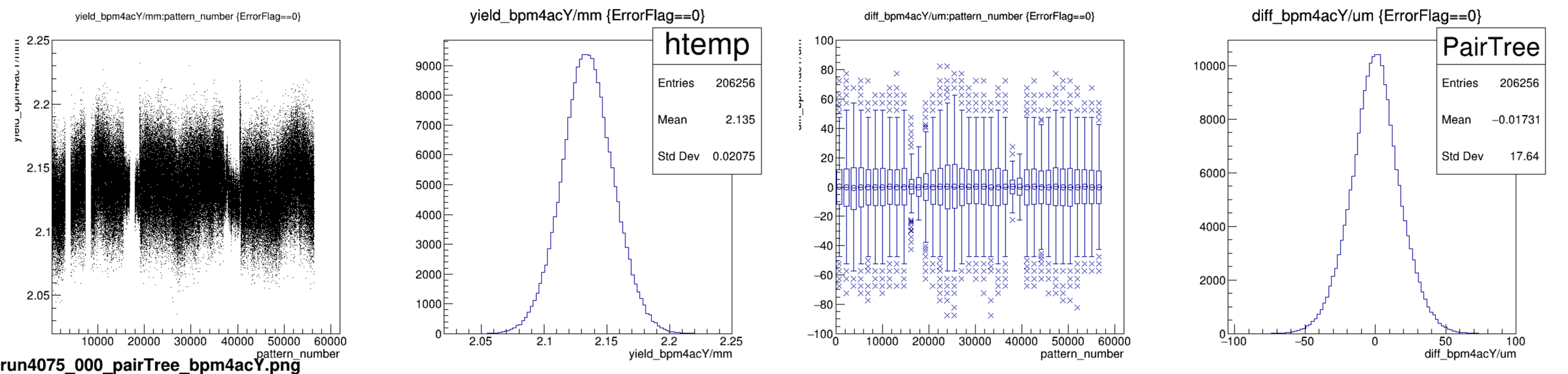

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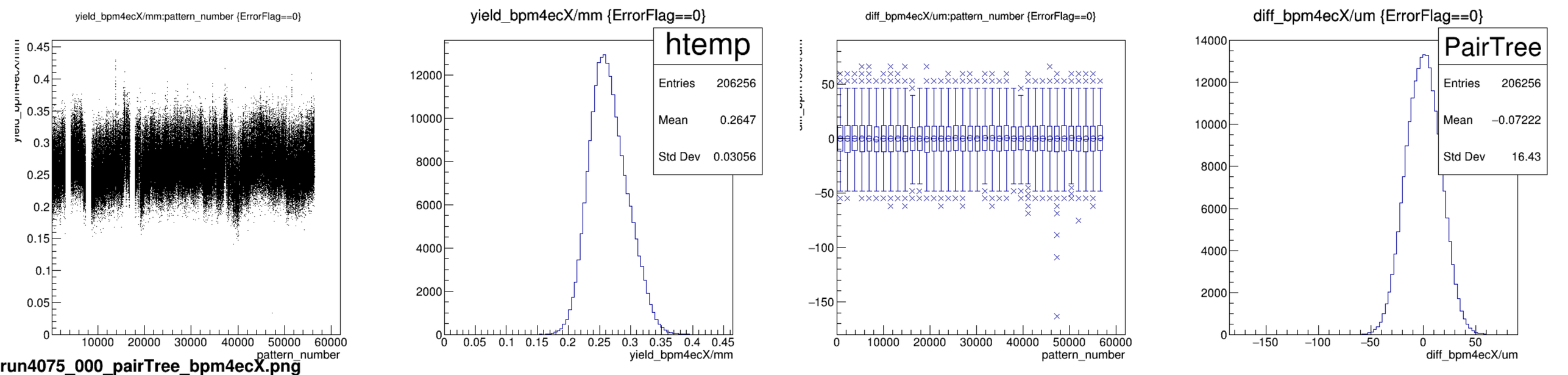

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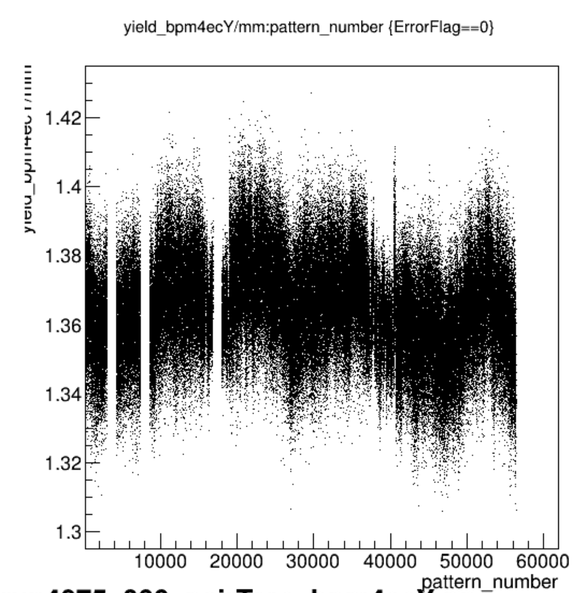

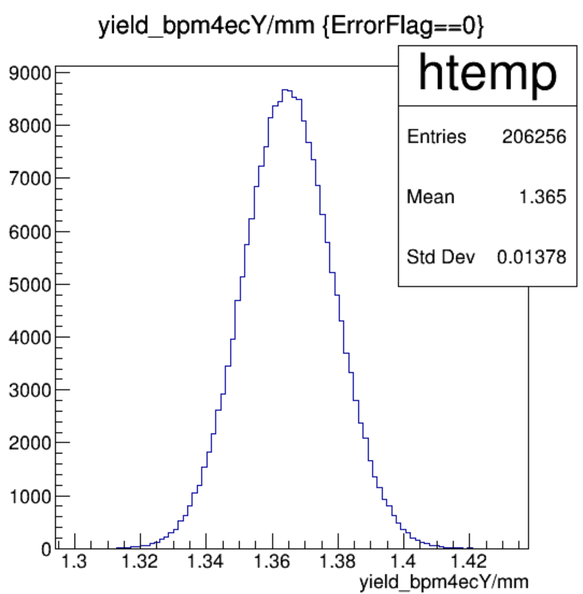

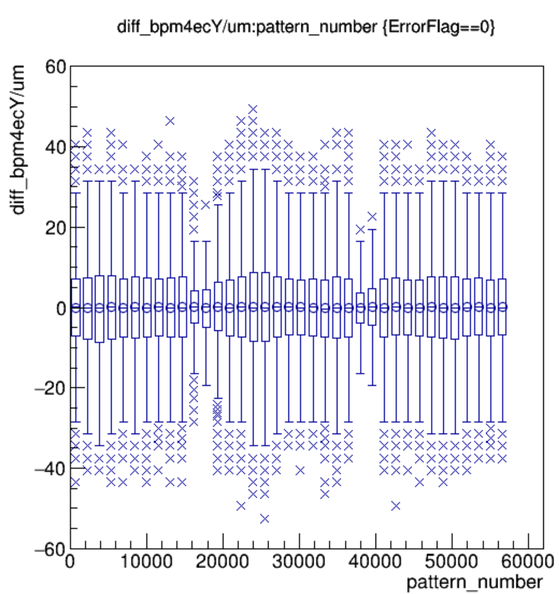

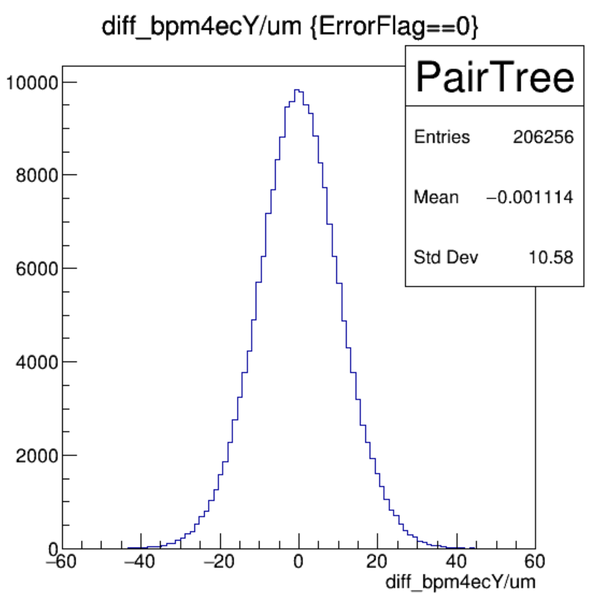

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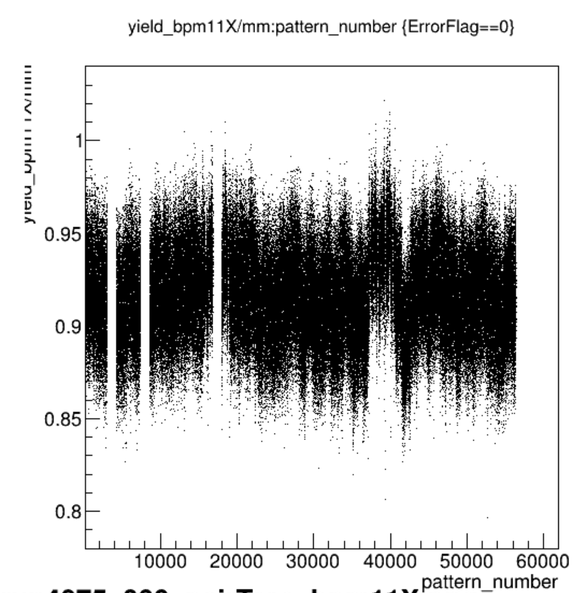

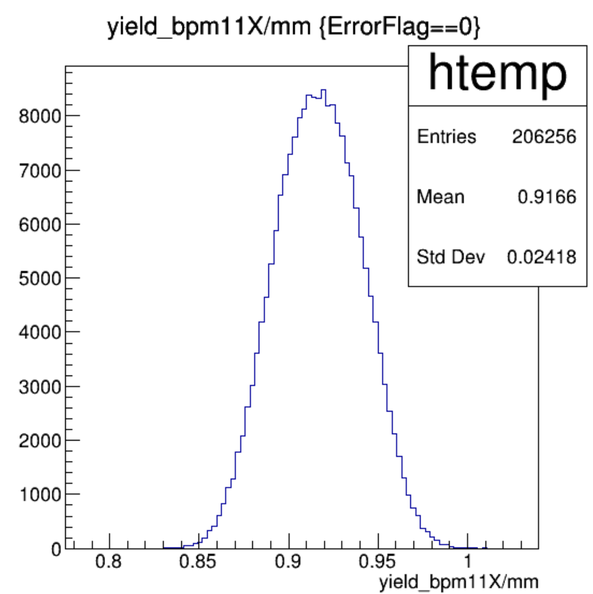

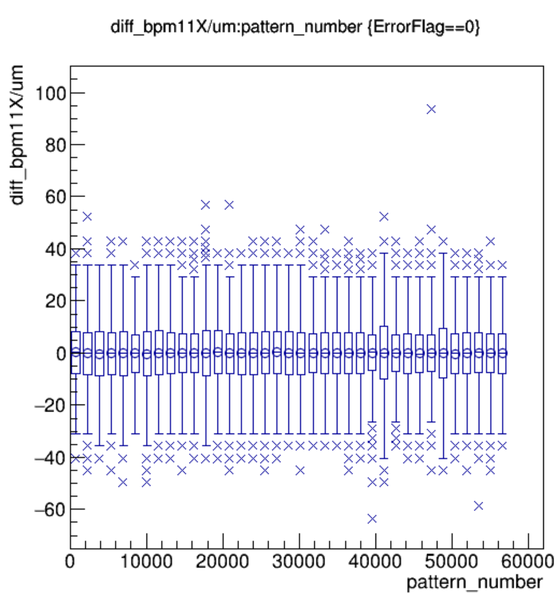

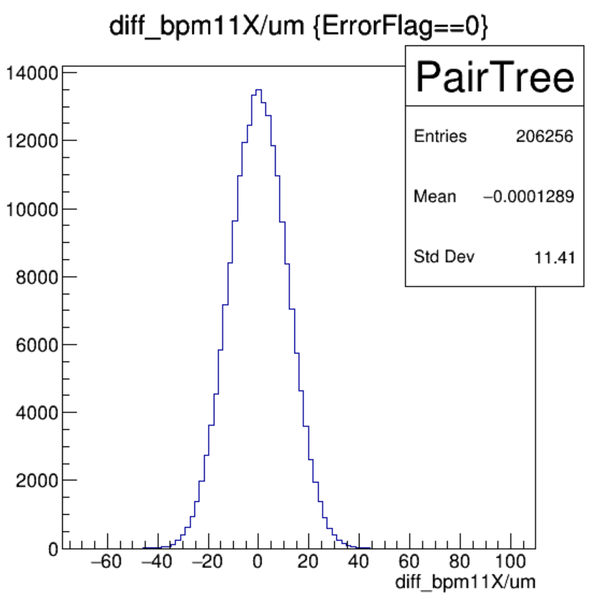

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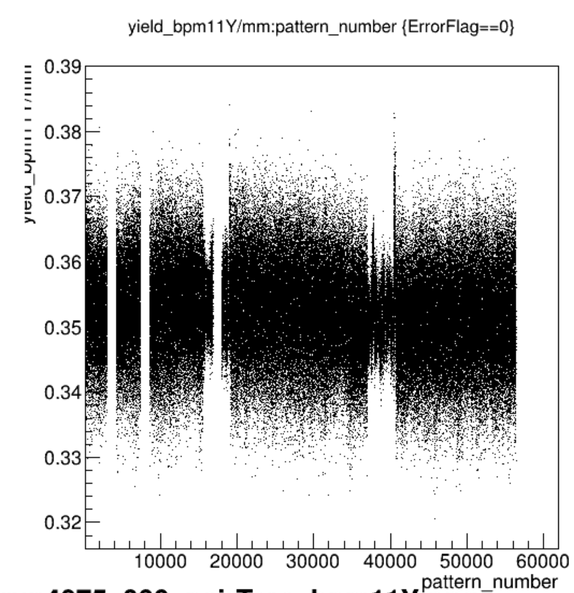

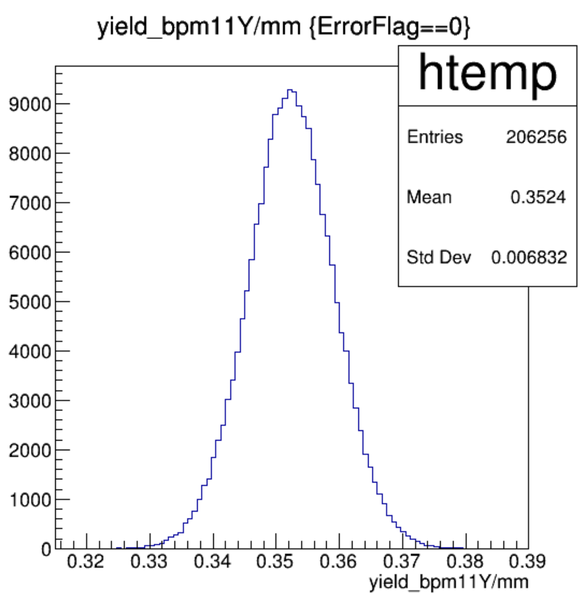

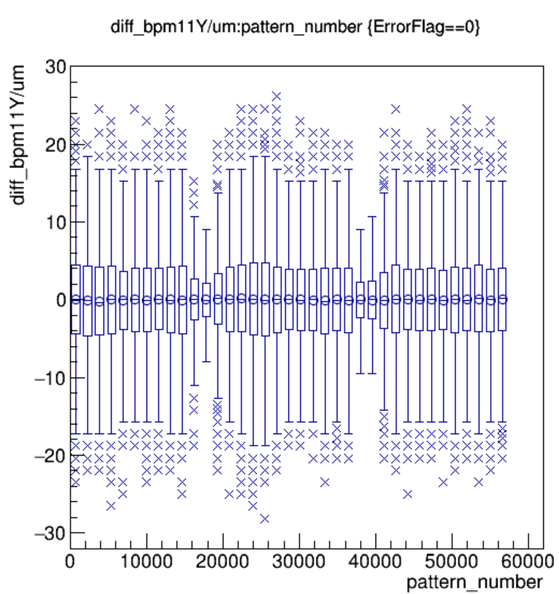

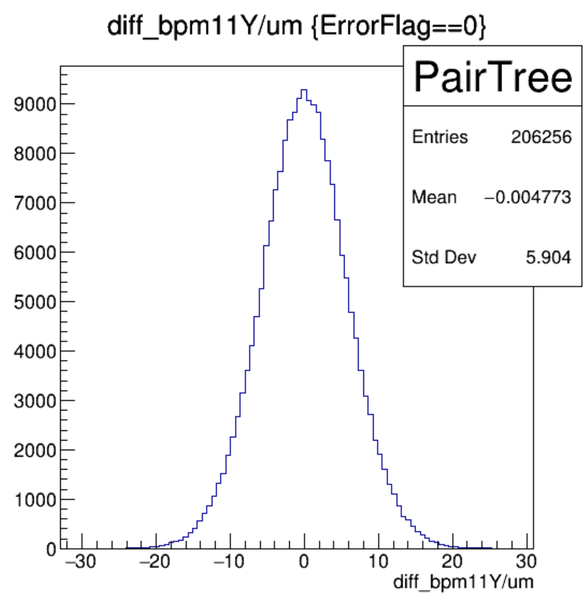

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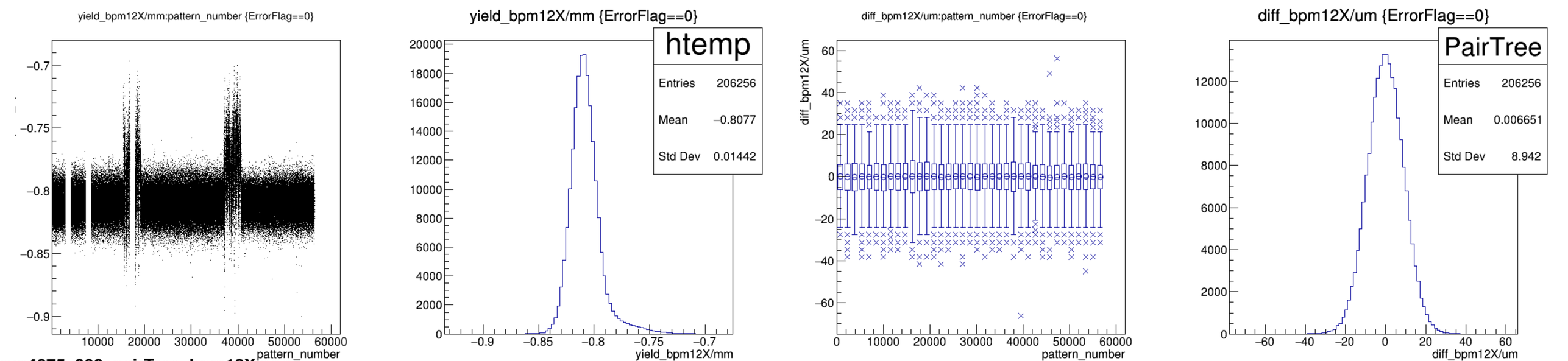

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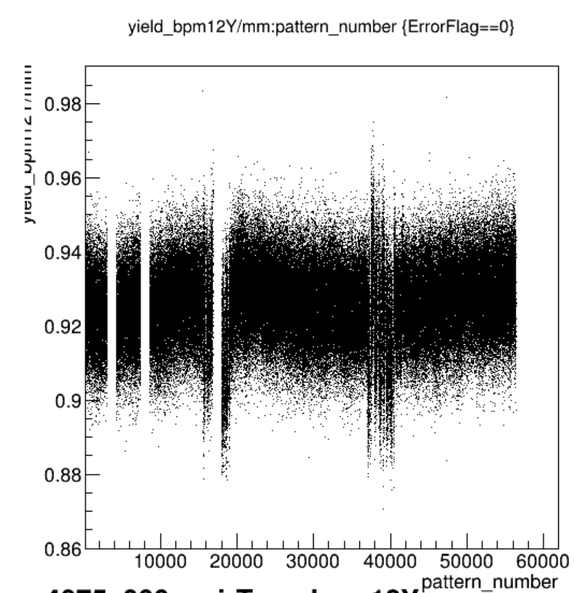

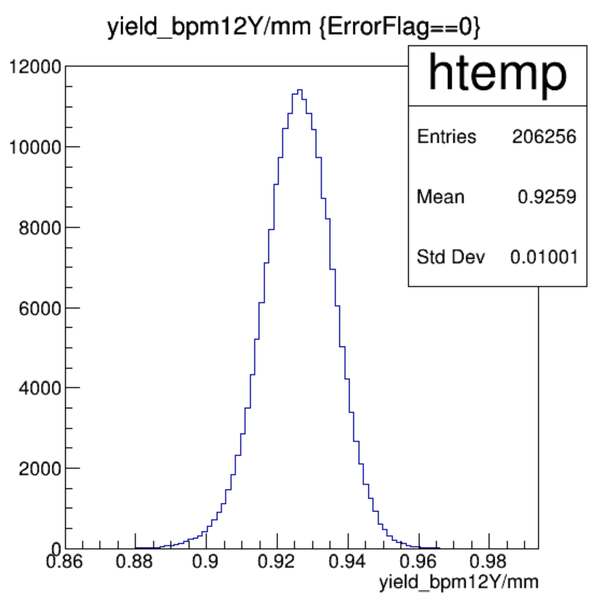

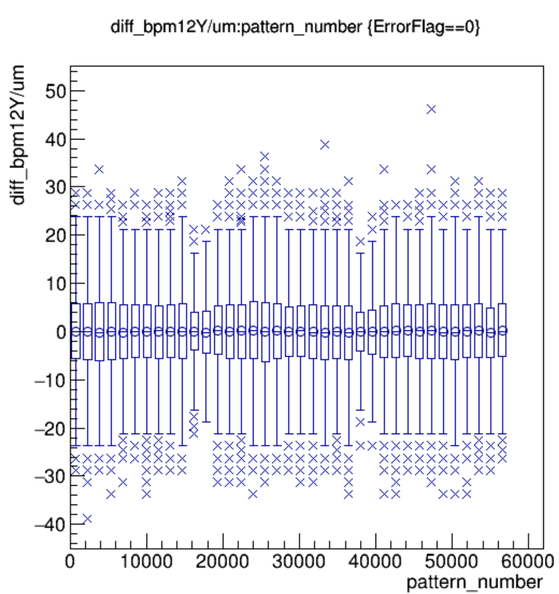

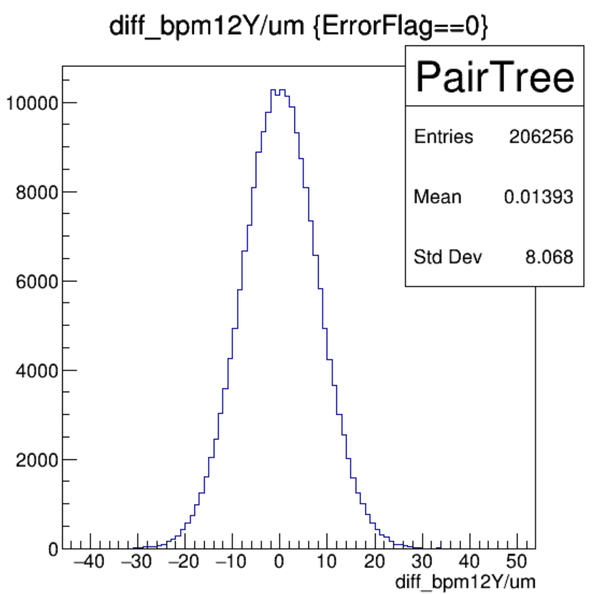

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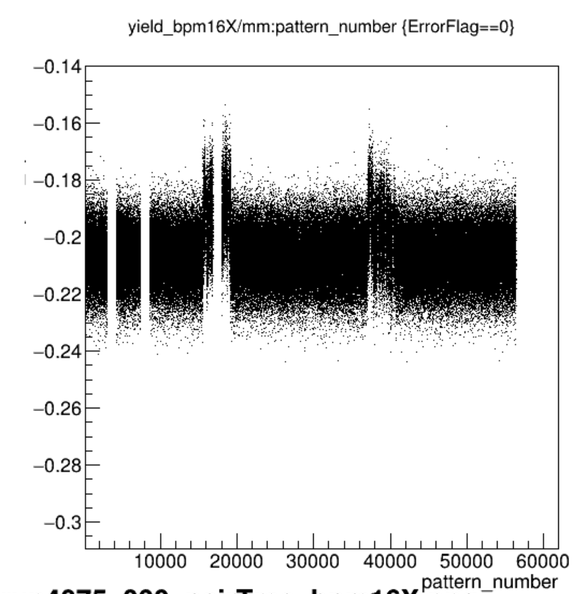

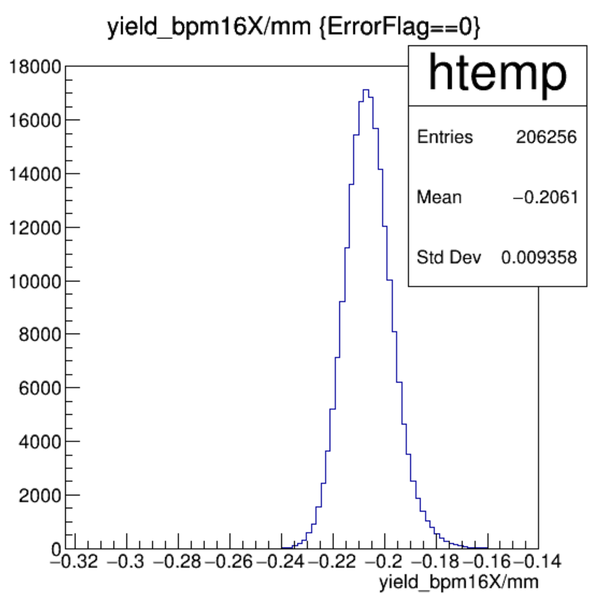

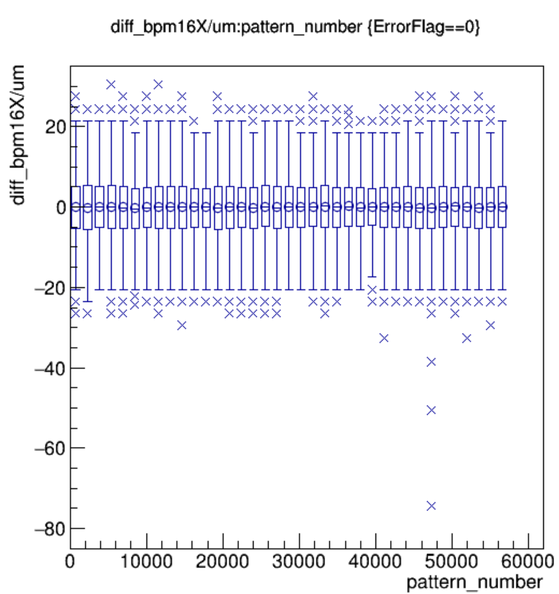

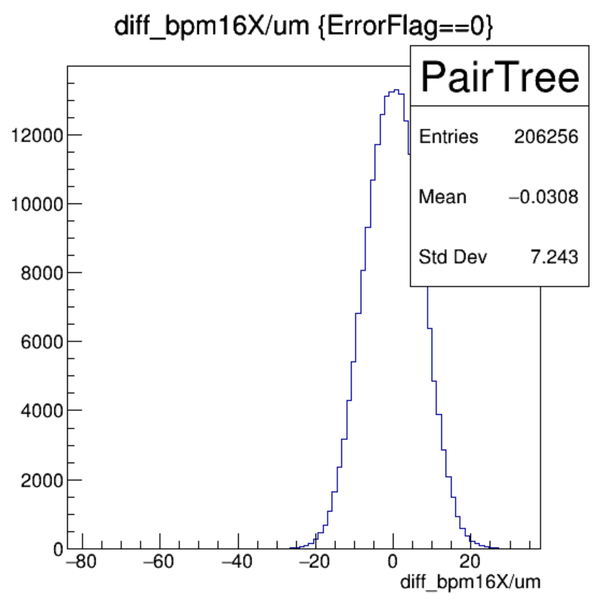

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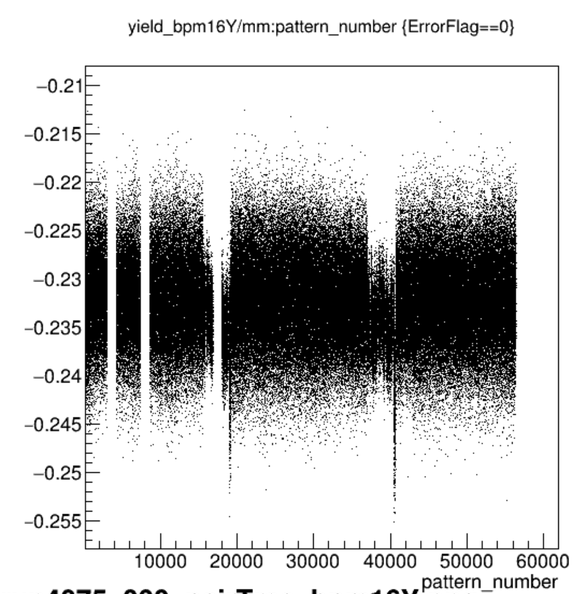

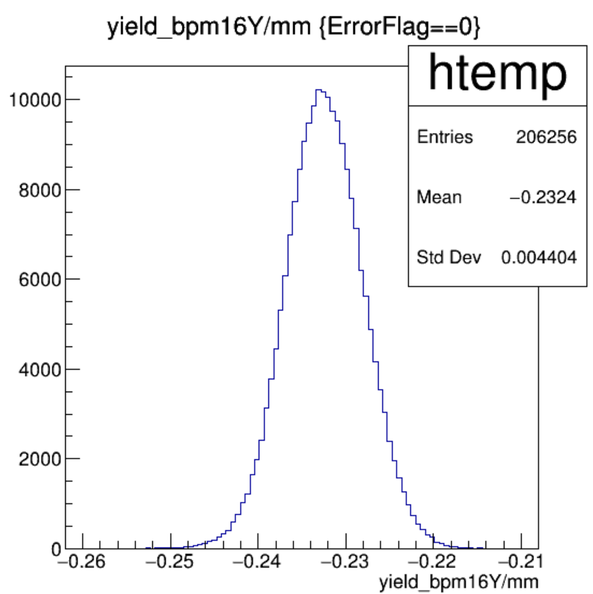

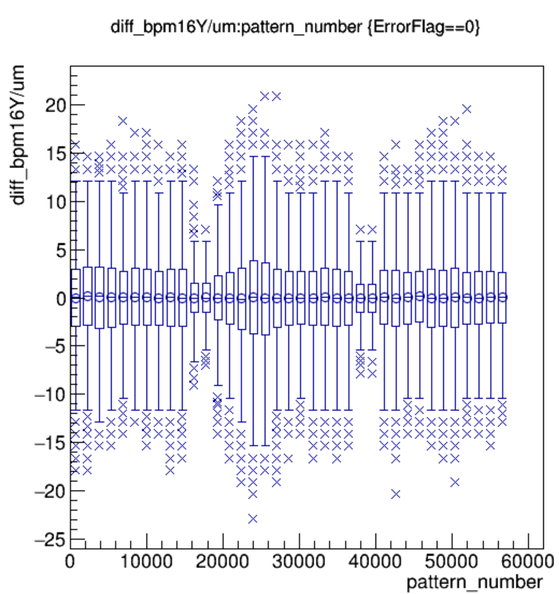

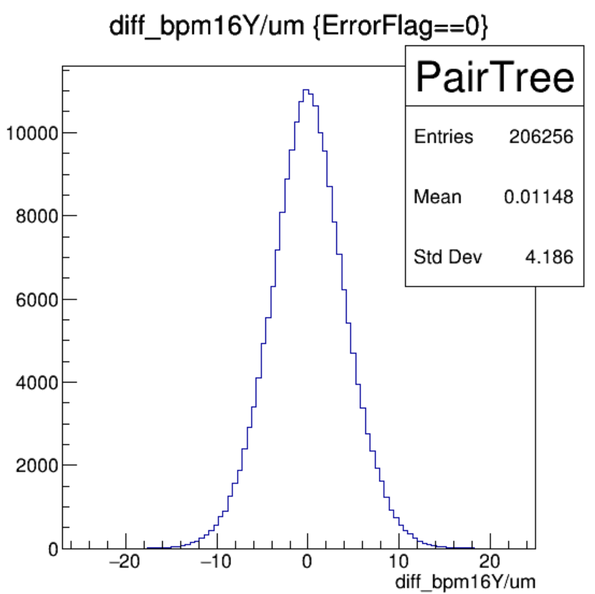

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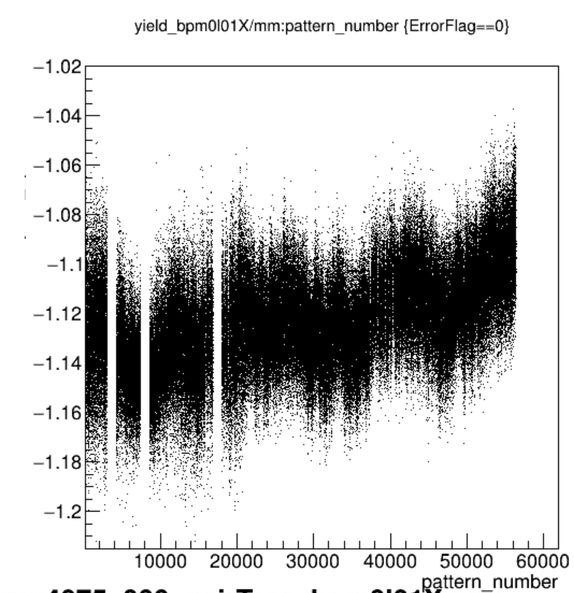

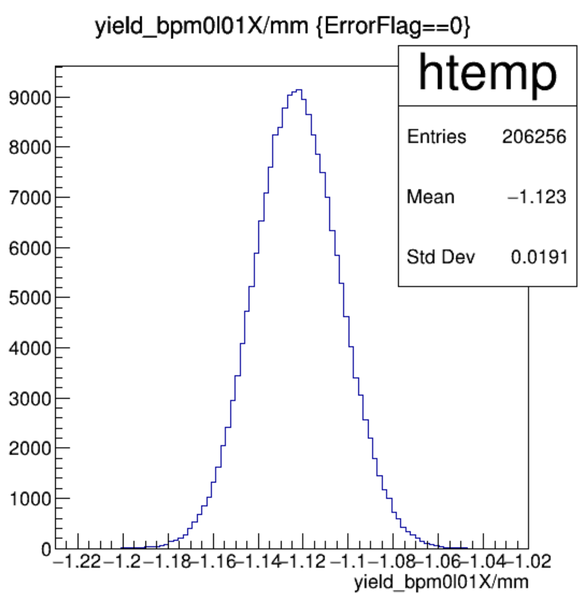

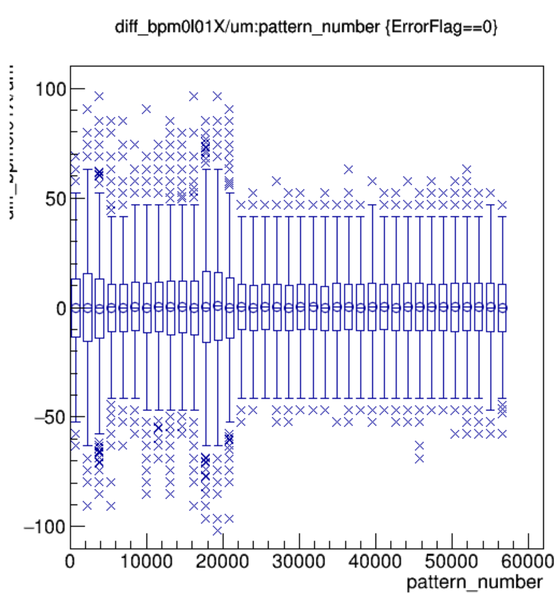

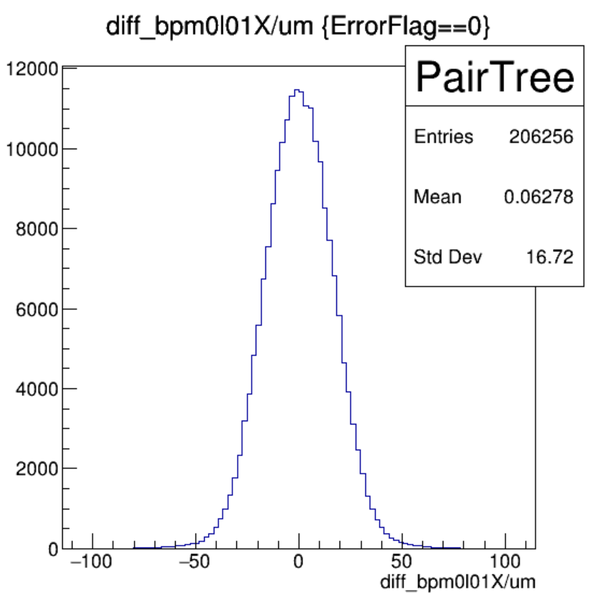

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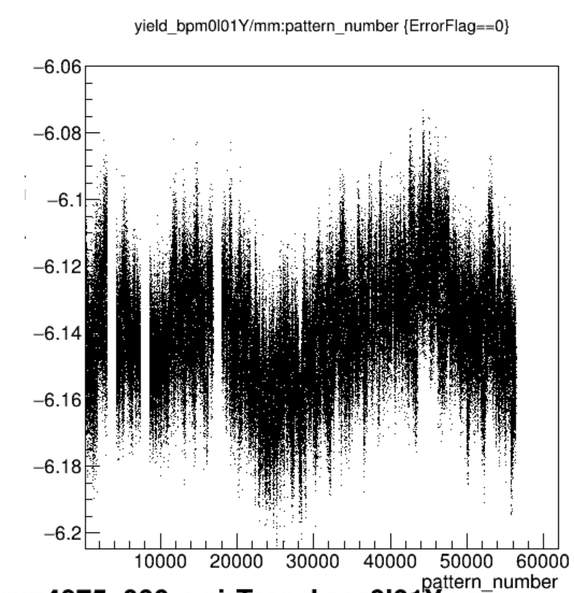

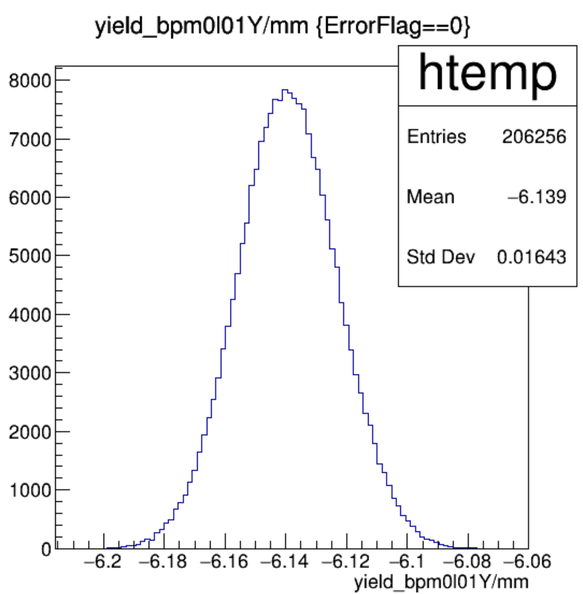

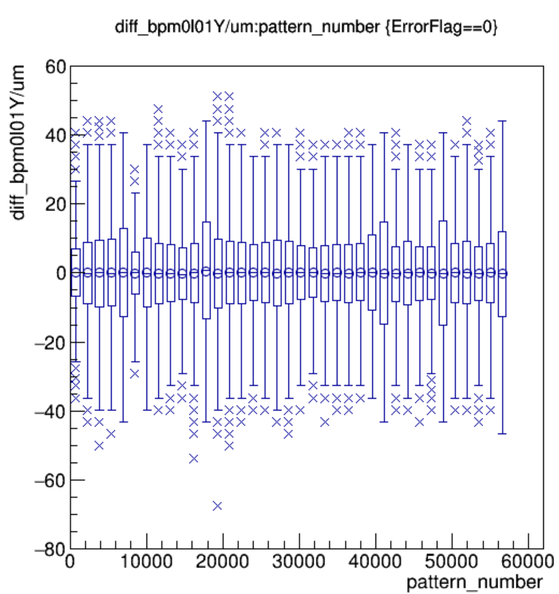

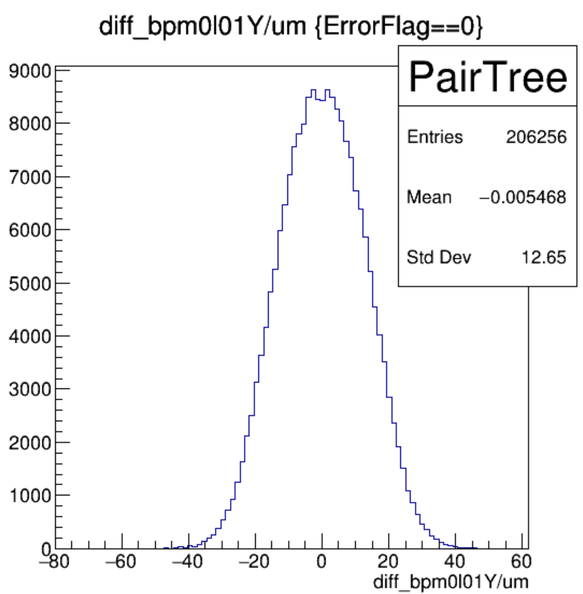

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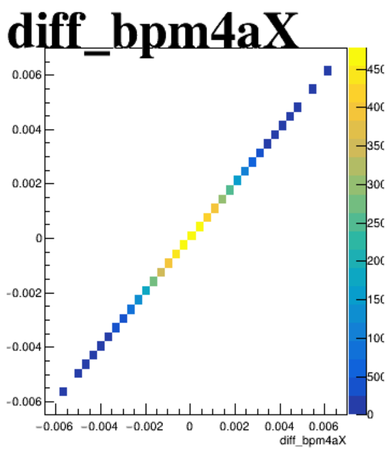

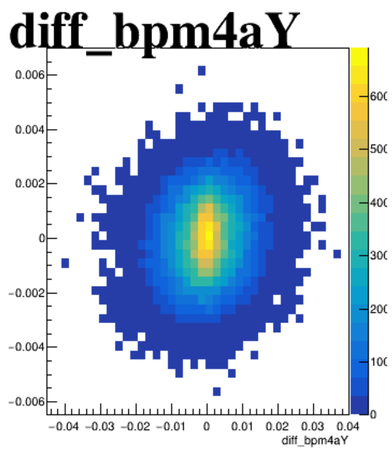

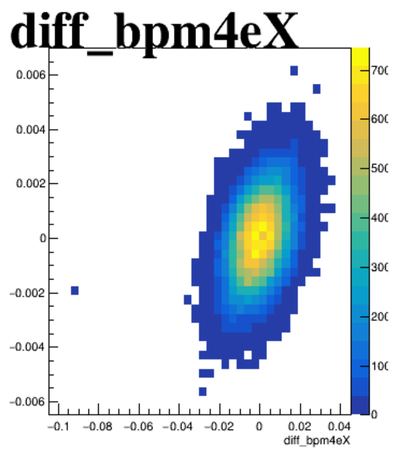

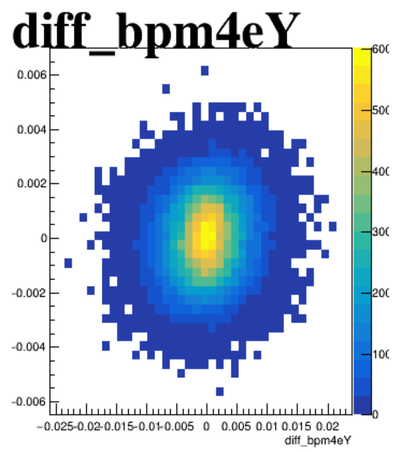

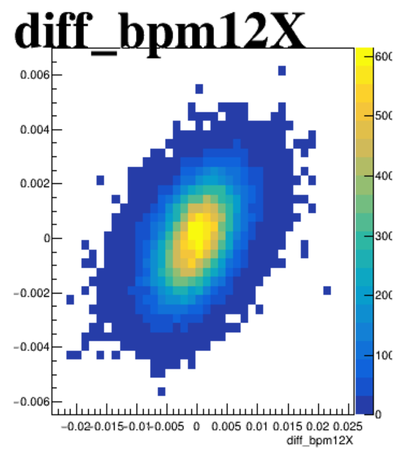

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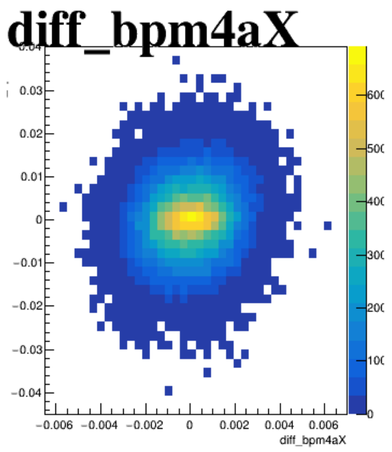

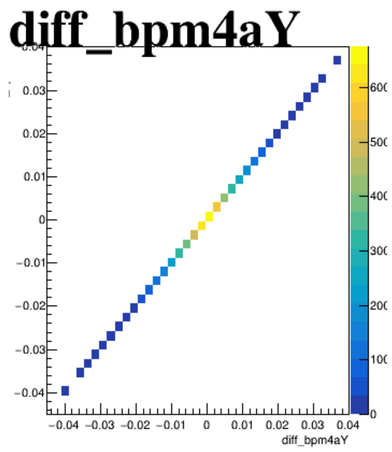

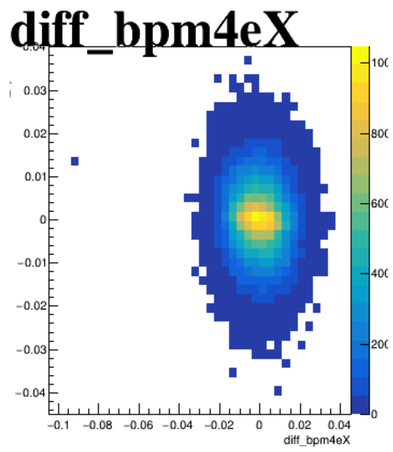

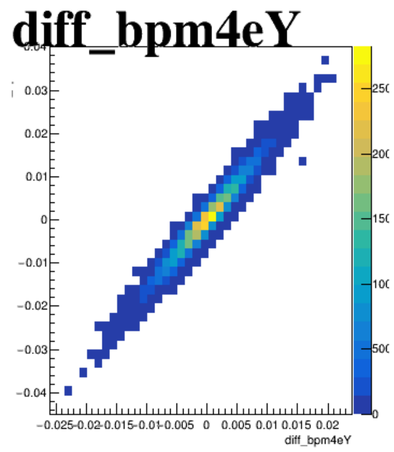

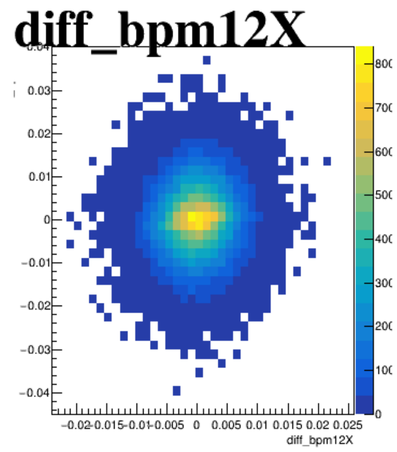

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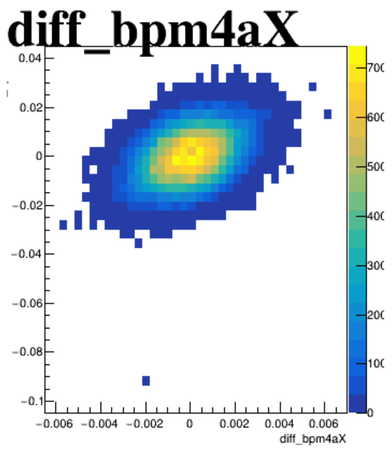

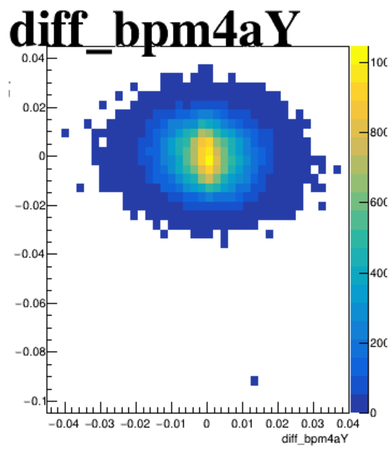

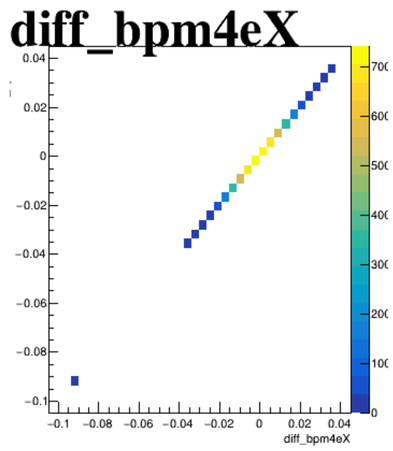

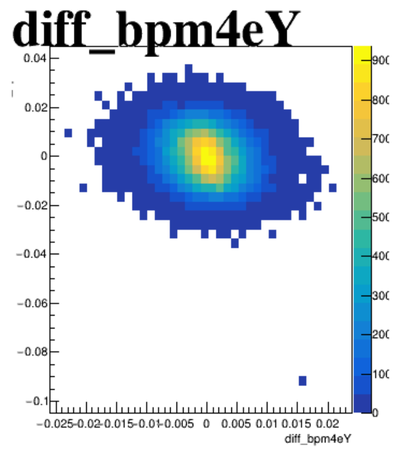

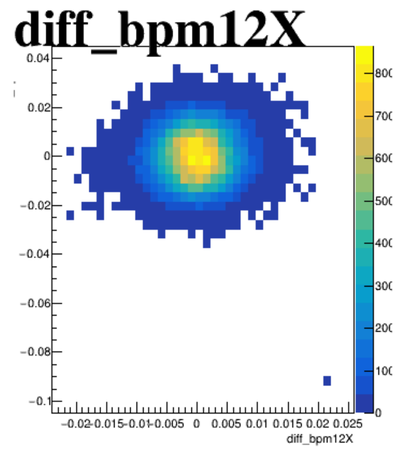

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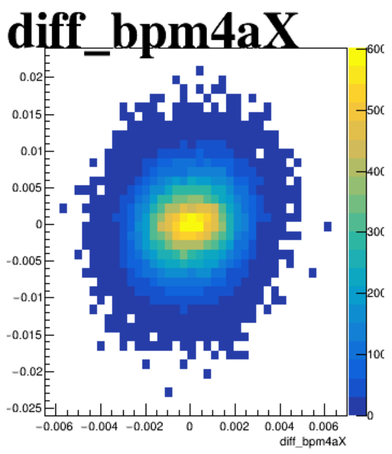

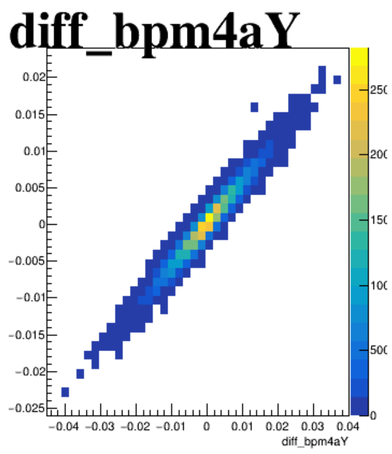

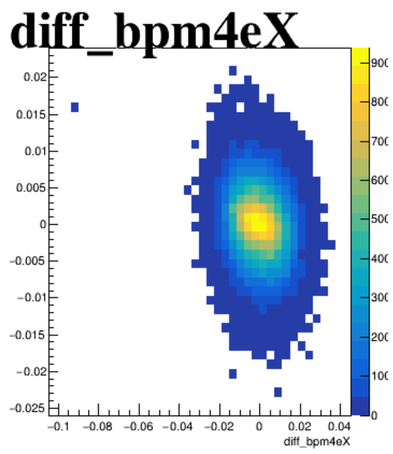

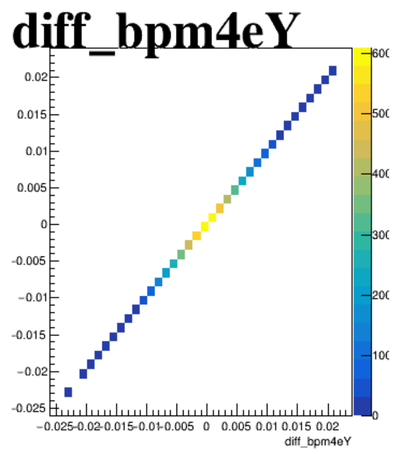

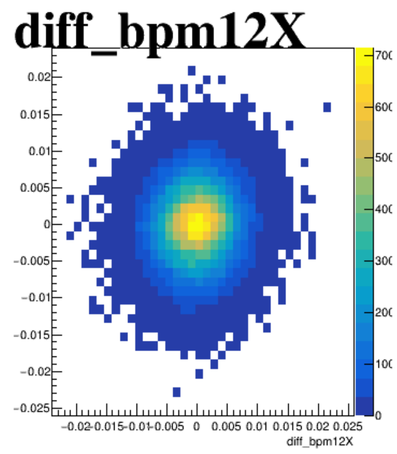

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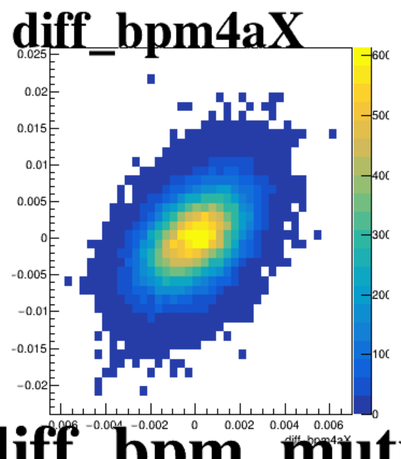

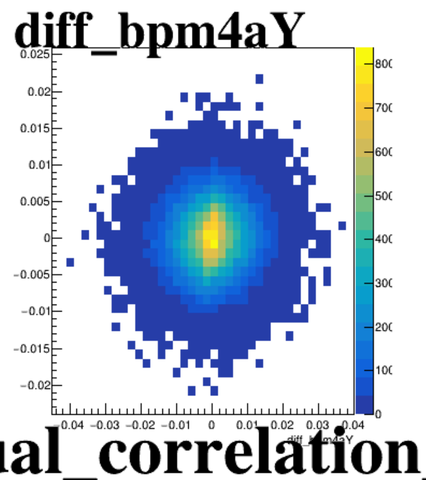

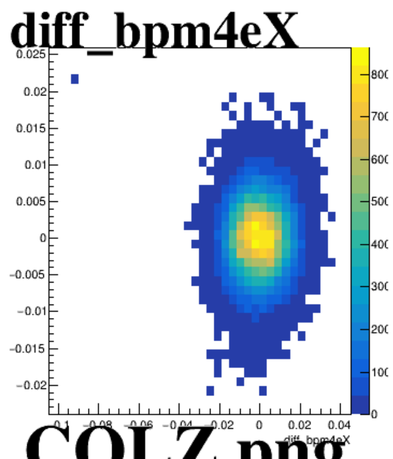

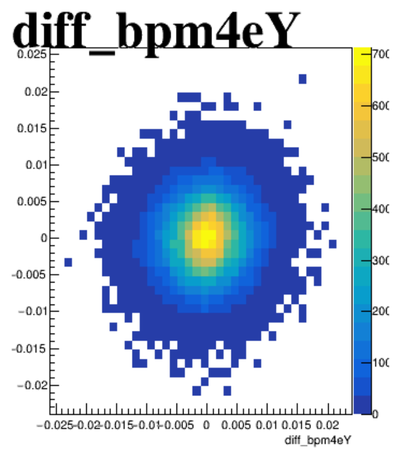

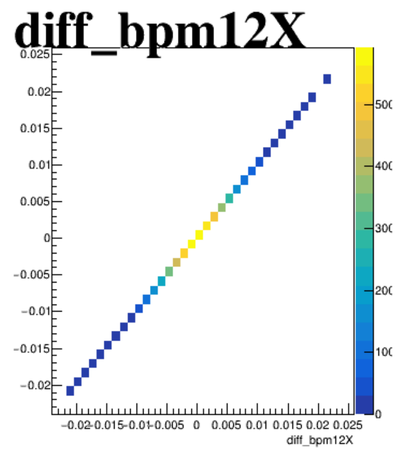

run4075_000_diff_bpm_mutual_correlation_COLZ.png

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	χ^2 / ndf 45.61 / 37 p0 −4.451e−08 ± 1.824e−07 p1 0.9991 ± 0.0001	χ^2 / ndf 27.99 / 32 p0 4.287e−06 ± 6.150e−06 p1 0.0237 ± 0.0009	χ^2 / ndf 46.21 / 23 p0 7.714e−06 ± 5.738e−06 p1 0.05205 ± 0.00066	χ^2 / ndf 27.73 / 34 p0 4.335e−06 ± 6.155e−06 p1 0.03081 ± 0.00156	χ^2 / ndf 37.64 / 32 p0 3.116e−06 ± 5.615e−06 p1 0.1364 ± 0.0015
diff_bpm4aY	**diff_bpm4aX**	**diff_bpm4aY**	**diff_bpm4eX**	**diff_bpm4eY**	**diff_bpm12X**
	χ^2 / ndf 48.87 / 37 p0 −1.738e−05 ± 3.469e−05 p1 0.6716 ± 0.0285	χ^2 / ndf 29.3 / 32 p0 1.968e−06 ± 1.187e−06 p1 0.999 ± 0.000	χ^2 / ndf 27.07 / 23 p0 −3.262e−05 ± 3.481e−05 p1 −0.06718 ± 0.00408	χ^2 / ndf 237.4 / 34 p0 −1.292e−05 ± 7.934e−06 p1 1.636 ± 0.002	χ^2 / ndf 39.56 / 32 p0 −2.253e−05 ± 3.508e−05 p1 0.0755 ± 0.0092
diff_bpm4eX	**diff_bpm4aX**	**diff_bpm4aY**	**diff_bpm4eX**	**diff_bpm4eY**	**diff_bpm12X**
	χ^2 / ndf 86.65 / 37 p0 −8.178e−05 ± 3.940e−05 p1 2.402 ± 0.031	χ^2 / ndf 51.12 / 32 p0 −8.619e−05 ± 4.253e−05 p1 −0.1008 ± 0.0065	χ^2 / ndf 19.6 / 23 p0 −2.204e−06 ± 1.963e−06 p1 0.9979 ± 0.0002	χ^2 / ndf 53.69 / 34 p0 −8.588e−05 ± 4.178e−05 p1 −0.3816 ± 0.0105	χ^2 / ndf 37.81 / 32 p0 −7.642e−05 ± 4.248e−05 p1 0.04314 ± 0.01101
diff_bpm4eY	**diff_bpm4aX**	**diff_bpm4aY**	**diff_bpm4eX**	**diff_bpm4eY**	**diff_bpm12X**
	χ^2 / ndf 36.99 / 37 p0 −3.672e−06 ± 2.060e−05 p1 0.3196 ± 0.0169	χ^2 / ndf 141.6 / 32 p0 6.107e−06 ± 4.734e−06 p1 0.5778 ± 0.0007	χ^2 / ndf 27.82 / 23 p0 −1.61e−05 ± 2.03e−05 p1 −0.08822 ± 0.00238	χ^2 / ndf 34.87 / 34 p0 −1.426e−06 ± 6.756e−07 p1 0.9988 ± 0.0002	χ^2 / ndf 39.06 / 32 p0 −6.748e−06 ± 2.077e−05 p1 0.03905 ± 0.00546
diff_bpm12X	**diff_bpm4aX**	**diff_bpm4aY**	**diff_bpm4eX**	**diff_bpm4eY**	**diff_bpm12X**
	χ^2 / ndf 22.93 / 37 p0 −5.451e−06 ± 1.779e−05 p1 1.33 ± 0.01	χ^2 / ndf 104.5 / 32 p0 6.929e−06 ± 1.977e−05 p1 0.02679 ± 0.00300	χ^2 / ndf 55.96 / 23 p0 2.372e−07 ± 1.960e−05 p1 0.007006 ± 0.002240	χ^2 / ndf 45.01 / 34 p0 7.783e−06 ± 1.971e−05 p1 0.03556 ± 0.00492	χ^2 / ndf 32.82 / 32 p0 1.713e−07 ± 6.646e−07 p1 0.9989 ± 0.0002

run4075_000_diff_bpm_mutual_correlation_fit.png

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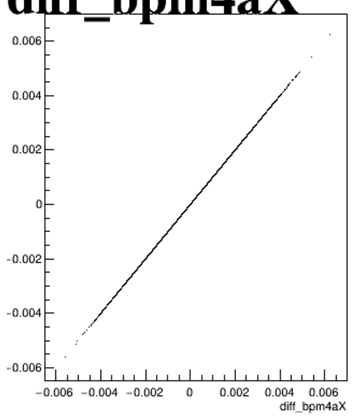
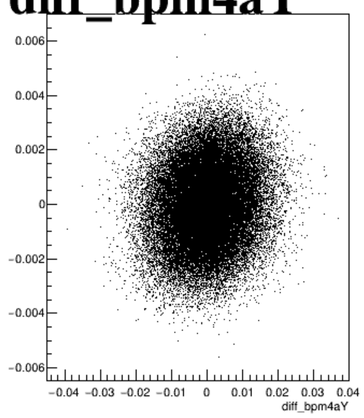
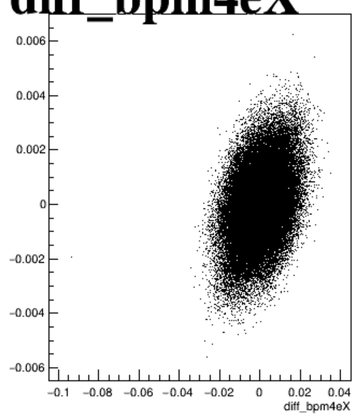
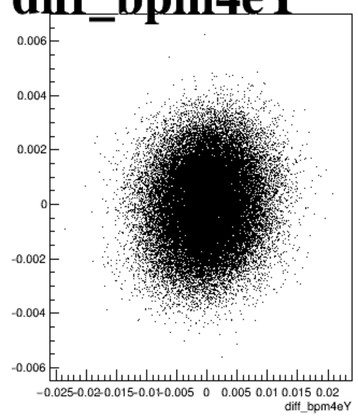
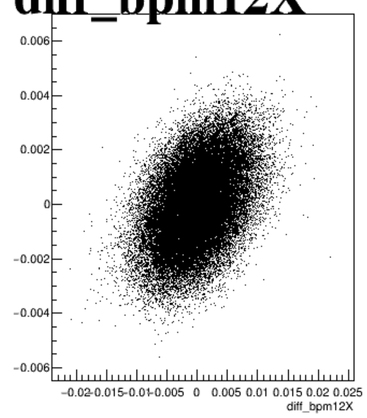
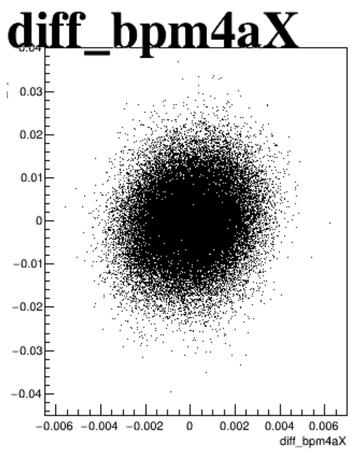
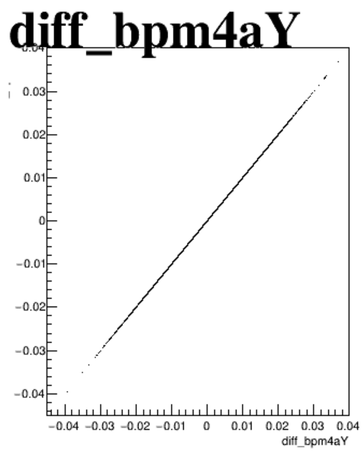
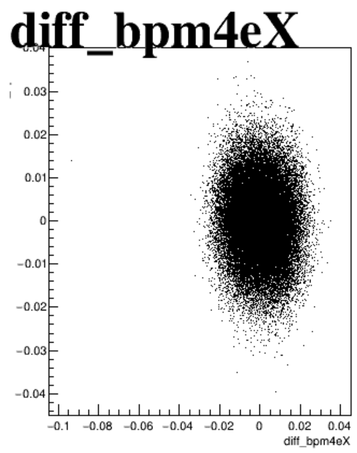
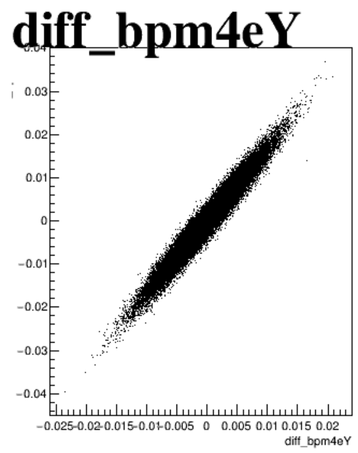
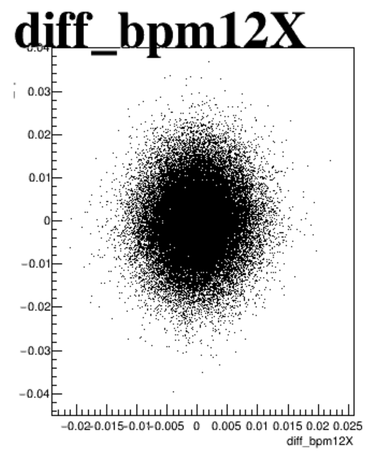
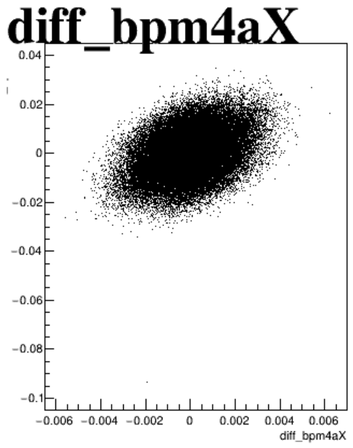
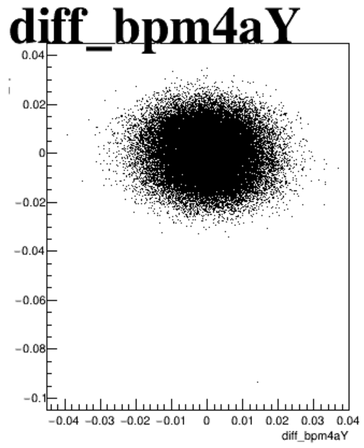
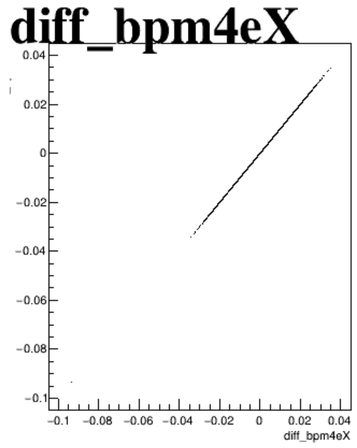
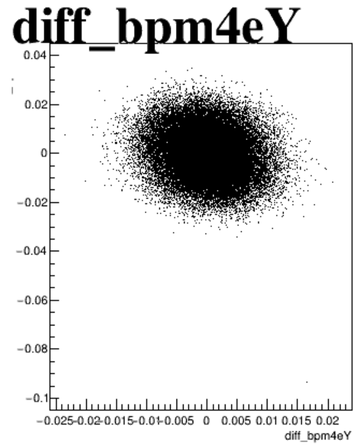
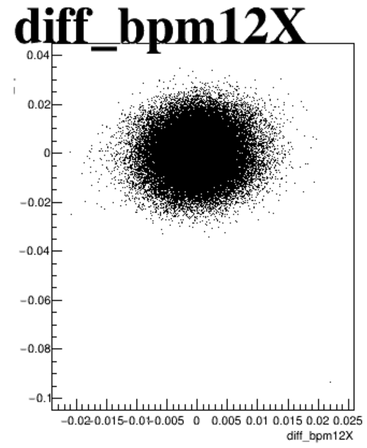
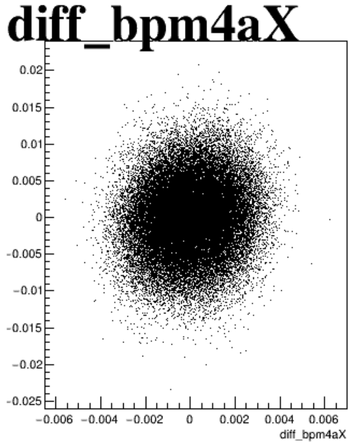
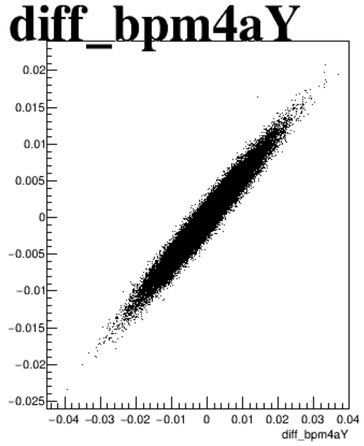
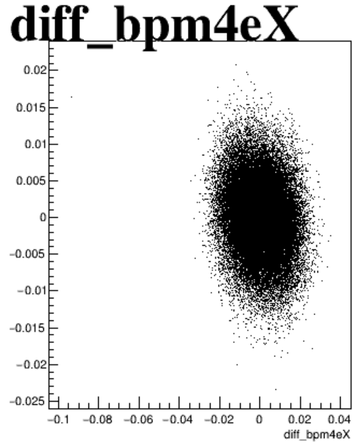
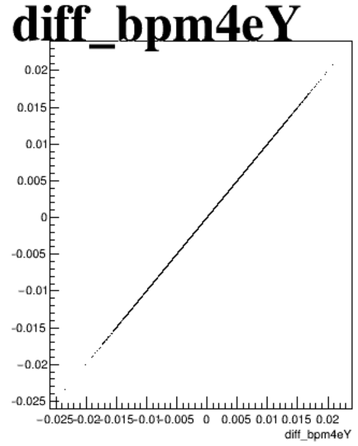
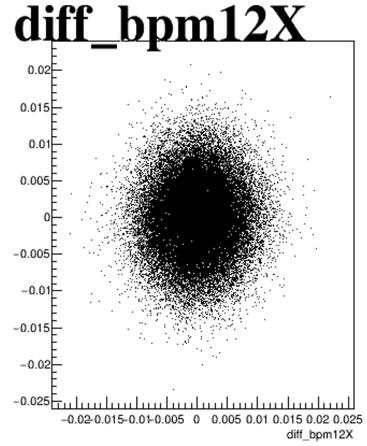
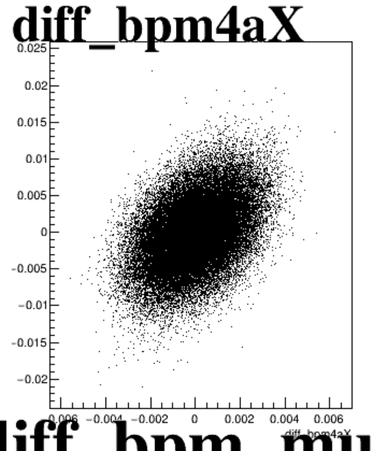
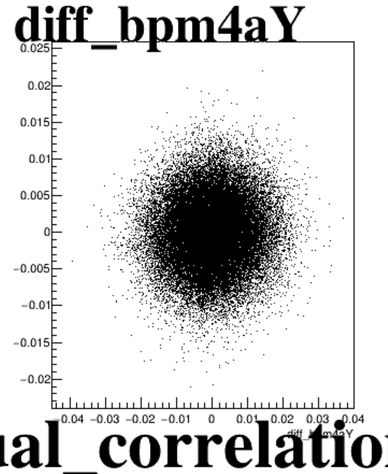
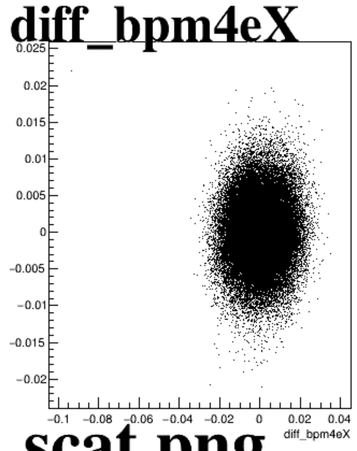
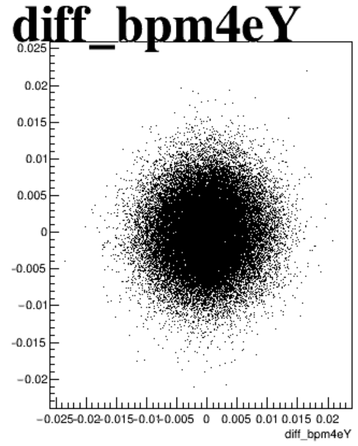
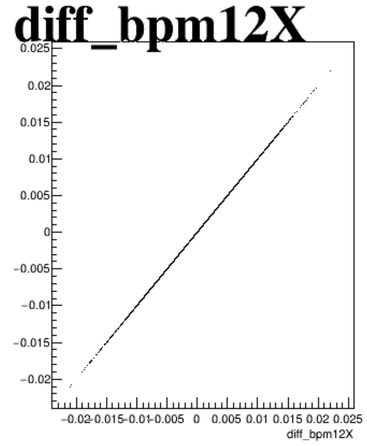
diff_bpm4aX					
diff_bpm4aY					
diff_bpm4eX					
diff_bpm4eY					
diff_bpm12X					

run4075_000_diff_bpm_mutual_correlation_scat.png