

Sheet1

Binned mES
1D data

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	210.66	45.99	156.7	36.66	1.34	0.43
b3	263.68	47.18	212.62	43.66	1.24	0.34
c3	199.97	46	175.64	42.23	1.14	0.38
d3	236.5	54.48	198.98	39.01	1.19	0.36

Binned mES
1D MC

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	1368.88	77.31	1070.59	101.95	1.28	0.14
b3	1549.6	81.05	1028.9	109.49	1.51	0.18
c3	1483.27	76.85	1111.28	104.38	1.33	0.14
d3	1438.27	84.08	1027.54	102.24	1.4	0.16

Sheet2

Binned mES

Pplus data

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	204.17	60.84	241.19	46.23	0.85	0.3
b3	235.21	65.33	268.63	48.46	0.88	0.29
c3	206.44	61.81	258.45	47.25	0.8	0.28
d3	205.79	61.77	262.88	42.98	0.78	0.27

Binned mES

Pplus MC

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	1346.8	94.96	1041.62	286.95	1.29	0.37
b3	1572.68	97.93	1073.2	123.28	1.47	0.19
c3	1422.29	99.3	1092.09	110.65	1.3	0.16
d3	1240.35	97.82	1040.56	111.91	1.19	0.16

Sheet3

Binned mES

2D data

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	122.74	36.25	75.87	28.17	1.62	0.77
b3	65.97	46.6	65.33	33.62	1.01	0.88
c3	90.44	38.31	62.27	26.34	1.45	0.87
d3	176.89	44.11	99.22	30.68	1.78	0.71

Binned mES

2D MC

	Sig Bc	Stat err	Sig Bn	Stat err	(Sig Bc)/(Sig Bn)	Ratio Error +/-
a3	897.09	82.82	662.37	82.28	1.35	0.21
b3	855.59	84.66	671.24	123.23	1.27	0.27
c3	920.13	89.9	659.79	85.34	1.39	0.23
d3	912.38	76.25	690.32	70.53	1.32	0.17

