

15Jan_Q2Shift_LepMatchNu_BANFF_MaCh3

	BANFF		MaCh3		MaCh3-BANFF		MaCh3/BANFF		MaCh3-BANFF/MaCh3	
	binne	unbinne	binne	unbinne	binne	unbinne	binne	unbinne	binne	unbinne
FGD1_numuCC_0pi:										
_prefit	30864.8	30943.4	30865.1	30943.1	0.3	-0.3	1.0000E+00	9.9999E-01	9.7197E-04	-9.6952E-04
_prefit_withNoWeights	458963	459978	458963	459978	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	31466	31534.7	31466	31534.7	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	34167.9	34250.1	34167.9	34250.1	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	30105.5	30174.1	30105.9	30174.5	0.4	0.4	1.0000E+00	1.0000E+00	1.3286E-03	1.3256E-03
_prefit_withNomDetWeights	30298.9	30364.6	30298.9	30364.6	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	30782.3	30851	30782.3	30850.3	0	-0.7	1.0000E+00	9.9998E-01	0.0000E+00	-2.2690E-03
FGD1_numuCC_1pi:										
_prefit	7912.57	7940.21	7912.67	7939.69	0.1	-0.52	1.0000E+00	9.9993E-01	1.2638E-03	-6.5494E-03
_prefit_withNoWeights	116983	117338	116983	117338	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	8058.73	8083.24	8058.73	8083.24	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	9110.88	9140.53	9110.88	9140.53	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	7494.94	7519.26	7495.04	7519.34	0.1	0.08	1.0000E+00	1.0000E+00	1.3342E-03	1.0639E-03
_prefit_withNomDetWeights	7687.62	7710.64	7687.62	7710.64	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	7873.5	7898.01	7873.5	7897.45	0	-0.56	1.0000E+00	9.9993E-01	0.0000E+00	-7.0909E-03
FGD1_numuCC_other:										
_prefit	6748.89	6804.6	6749.13	6803.15	0.24	-1.45	1.0000E+00	9.9979E-01	3.5560E-03	-2.1314E-02
_prefit_withNoWeights	90408	91118	90408	91118	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	6222.68	6271.63	6222.68	6271.63	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	7393.68	7452.75	7393.68	7452.75	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	6094.15	6143.36	6094.36	6143.57	0.21	0.21	1.0000E+00	1.0000E+00	3.4458E-03	3.4182E-03
_prefit_withNomDetWeights	5916.28	5962.25	5916.28	5962.25	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	6098.91	6147.86	6098.91	6146.37	0	-1.49	1.0000E+00	9.9976E-01	0.0000E+00	-2.4242E-02

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FGD2_numuCC_0pi:

_prefit	31161.8	31257.8	31162.3	31255.9	0.5	-1.9	1.0000E+00	9.9994E-01	1.6045E-03	-6.0789E-03
_prefit_withNoWeights	459616	460832	459616	460832	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	31207.9	31291.4	31207.9	31291.4	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	33884.6	33984.3	33884.6	33984.3	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	30009.8	30091.7	30010.3	30092.2	0.5	0.5	1.0000E+00	1.0000E+00	1.6661E-03	1.6616E-03
_prefit_withNomDetWeights	30353.2	30435	30353.2	30435	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	30608.1	30691.6	30608.1	30689.3	0	-2.3	1.0000E+00	9.9993E-01	0.0000E+00	-7.4945E-03

FGD2_numuCC_1pi:

_prefit	6405.44	6438.71	6405.51	6437.98	0.07	-0.73	1.0000E+00	9.9989E-01	1.0928E-03	-1.1339E-02
_prefit_withNoWeights	93114	93536	93114	93536	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	6299.88	6328.91	6299.88	6328.91	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	7149.28	7184.84	7149.28	7184.84	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	5916.97	5945.07	5917.04	5945.14	0.07	0.07	1.0000E+00	1.0000E+00	1.1830E-03	1.1774E-03
_prefit_withNomDetWeights	6118.02	6146.04	6118.02	6146.04	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	6166.53	6195.56	6166.53	6194.86	0	-0.7	1.0000E+00	9.9989E-01	0.0000E+00	-1.1300E-02

FGD2_numuCC_other:

_prefit	6521.07	6596.2	6521.32	6595.55	0.25	-0.65	1.0000E+00	9.9990E-01	3.8336E-03	-9.8551E-03
_prefit_withNoWeights	85787	86698	85787	86698	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	5839.34	5903.99	5839.34	5903.99	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	6938.91	7016.43	6938.91	7016.43	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	5723.68	5788.11	5723.87	5788.29	0.19	0.18	1.0000E+00	1.0000E+00	3.3194E-03	3.1097E-03
_prefit_withNomDetWeights	5697.04	5759.83	5697.04	5759.83	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	5731.95	5796.6	5731.95	5795.81	0	-0.79	1.0000E+00	9.9986E-01	0.0000E+00	-1.3631E-02

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FGD1_anti-numuCC_QE:

_prefit	6194.57	6235.1	6194.77	6235.45	0.2	0.35	1.0000E+00	1.0001E+00	3.2285E-03	5.6131E-03
_prefit_withNoWeights	93556	94157	93556	94157	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	6577.27	6620.15	6577.27	6620.15	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	6774.97	6816.92	6774.97	6816.92	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	6033.28	6074.62	6033.47	6074.81	0.19	0.19	1.0000E+00	1.0000E+00	3.1491E-03	3.1277E-03
_prefit_withNomDetWeights	6578.99	6621.89	6578.99	6621.89	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	6570.98	6613.86	6570.98	6614.03	0	0.17	1.0000E+00	1.0000E+00	0.0000E+00	2.5703E-03

FGD1_anti-numuCC_nQE:

_prefit	1729.13	1790.71	1729.14	1788.42	0.01	-2.29	1.0000E+00	9.9872E-01	5.7832E-04	-1.2805E-01
_prefit_withNoWeights	26258	27033	26258	27033	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	1844.01	1899.8	1844.01	1899.8	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	1908.14	1968.8	1908.14	1968.8	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1695.27	1750.48	1695.28	1750.49	0.01	0.01	1.0000E+00	1.0000E+00	5.8987E-04	5.7127E-04
_prefit_withNomDetWeights	1845.77	1902.89	1845.77	1902.89	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	1812.21	1868.01	1812.21	1865.93	0	-2.08	1.0000E+00	9.9889E-01	0.0000E+00	-1.1147E-01

FGD2_anti-numuCC_1_track:

_prefit	5989.5	6034.04	5989.68	6034.3	0.18	0.26	1.0000E+00	1.0000E+00	3.0052E-03	4.3087E-03
_prefit_withNoWeights	91220	91912	91220	91912	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	6382.76	6430.38	6382.76	6430.38	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	6583.33	6629.86	6583.33	6629.86	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	5878.58	5924.67	5878.75	5924.83	0.17	0.16	1.0000E+00	1.0000E+00	2.8918E-03	2.7005E-03
_prefit_withNomDetWeights	6283.27	6330.24	6283.27	6330.24	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	6399.44	6447.06	6399.44	6447.09	0	0.03	1.0000E+00	1.0000E+00	0.0000E+00	4.6533E-04

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FGD2_anti-numuCC_N_tracks:

_prefit	1660.83	1730.83	1660.91	1729.95	0.08	-0.88	1.0000E+00	9.9949E-01	4.8166E-03	-5.0869E-02
_prefit_withNoWeights	25312	26240	25312	26240	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	1773.75	1839.23	1773.75	1839.23	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	1838.89	1909.5	1838.89	1909.5	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1651.29	1715.91	1651.37	1715.99	0.08	0.08	1.0000E+00	1.0000E+00	4.8445E-03	4.6620E-03
_prefit_withNomDetWeights	1737.25	1803.45	1737.25	1803.45	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	1753.56	1819.04	1753.56	1818.13	0	-0.91	1.0000E+00	9.9950E-01	0.0000E+00	-5.0051E-02

FGD1_NuMuBkg_CCQE_in_AntiNu_Mode_:

_prefit	2074.41	2125.72	2074.39	2125.67	0	-0.05	9.9999E-01	9.9998E-01	-9.6414E-04	-2.3522E-03
_prefit_withNoWeights	29114	29791	29114	29791	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	2047.18	2094.74	2047.18	2094.74	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	2190.06	2243.38	2190.06	2243.38	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1948.88	1995.13	1948.86	1995.11	0	-0.02	9.9999E-01	9.9999E-01	-1.0262E-03	-1.0025E-03
_prefit_withNomDetWeights	2034.53	2081.57	2034.53	2081.57	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	2048.9	2096.46	2048.9	2096.43	0	-0.03	1.0000E+00	9.9999E-01	0.0000E+00	-1.4310E-03

FGD1_NuMuBkg_CCnQE_in_AntiNu_Mode:

_prefit	2061.69	2168.01	2061.7	2166.63	0.01	-1.38	1.0000E+00	9.9936E-01	4.8504E-04	-6.3693E-02
_prefit_withNoWeights	27502	28840	27502	28840	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	1932.36	2028.37	1932.36	2028.37	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	2136.11	2243.27	2136.11	2243.27	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1895.77	1991.75	1895.78	1991.76	0.01	0.01	1.0000E+00	1.0000E+00	5.2749E-04	5.0207E-04
_prefit_withNomDetWeights	1925.37	2020.64	1925.37	2020.64	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	1906.13	2002.14	1906.13	2000.89	0	-1.25	1.0000E+00	9.9938E-01	0.0000E+00	-6.2472E-02

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FGD2_NuMuBkg_CCQE_in_AntiNu_Mode_:

_prefit	1970.04	2020.72	1970.04	2020.85	0	0.13	1.0000E+00	1.0001E+00	0.0000E+00	6.4329E-03
_prefit_withNoWeights	28092	28781	28092	28781	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	1957.69	2005.38	1957.69	2005.38	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	2092.77	2145.38	2092.77	2145.38	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1875.63	1921.99	1875.64	1922	0.01	0.01	1.0000E+00	1.0000E+00	5.3315E-04	5.2029E-04
_prefit_withNomDetWeights	1937.95	1985.19	1937.95	1985.19	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	1940.77	1988.45	1940.77	1988.57	0	0.12	1.0000E+00	1.0001E+00	0.0000E+00	6.0345E-03

FGD2_NuMuBkg_CCnQE_in_AntiNu_Mode:

_prefit	1925.15	2035.92	1925.3	2036.74	0.15	0.82	1.0001E+00	1.0004E+00	7.7910E-03	4.0260E-02
_prefit_withNoWeights	25705	27092	25705	27092	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withPOTWeights	1801.58	1901.16	1801.58	1901.16	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomFluxWeights	1991.84	2104.88	1991.84	2104.88	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomXSecWeights	1777.7	1876.59	1777.84	1876.73	0.14	0.14	1.0001E+00	1.0001E+00	7.8747E-03	7.4598E-03
_prefit_withNomDetWeights	1770.79	1868.77	1770.79	1868.77	0	0	1.0000E+00	1.0000E+00	0.0000E+00	0.0000E+00
_prefit_withNomCovWeights	1790.61	1890.18	1790.61	1890.74	0	0.56	1.0000E+00	1.0003E+00	0.0000E+00	2.9618E-02

MAX:	0.5	0.82	1.0001E+00	1.0004E+00	7.8747E-03	4.0260E-02
MIN:	0	-2.3	9.9999E-01	9.9872E-01	-1.0262E-03	-1.2805E-01