Parameter	1 $\sigma$ value	BANFF - $3\sigma$		BANFF	tuned -1 $\sigma$	BANFF t	tuned $+1\sigma$	BANFF tuned $+3\sigma$	
All syst		0.985 04	-87.25490(%)	3.461 27	-55.21600(%)	14.88400	92.57600(%)	43.25740	459.694 00(%)
BANFF 0, SK numu flux, 0.0 - 0.4 GeV	0.09873	7.725 11	-0.04725	7.72755	-0.01575	7.72998	0.015 75	7.73242	0.04725
BANFF 1, SK numu flux, 0.4 - 0.5 GeV	0.103 49	7.69047	-0.49549	7.71600	-0.16516	7.74153	0.16516	7.76706	0.49549
BANFF 2, SK numu flux, 0.5 - 0.6 GeV	0.096 44	7.63512	-1.21161	7.69755	-0.40387	7.75998	0.40387	7.82241	1.21161
BANFF 3, SK numu flux, 0.6 - 0.7 GeV	0.08670	7.598 09	-1.69074	7.685 21	-0.56358	7.77232	0.563 58	7.85944	1.69074
BANFF 4, SK numu flux, 0.7 - 1.0 GeV	0.113 05	7.39283	-4.34659	7.61679	-1.44890	7.84074	1.448 90	8.06470	4.34659
BANFF 5, SK numu flux, 1.0 - 1.5 GeV	0.09175	7.58213	-1.89719	7.67989	-0.63240	7.77764	0.63240	7.87539	1.89719
BANFF 6, SK numu flux, 1.5 - 2.5 GeV	0.07017	7.66825	-0.78302	7.70859	-0.26101	7.74894	0.26101	7.78928	0.78302
BANFF 7, SK numu flux, 2.5 - 3.5 GeV	0.073 68	7.68876	-0.51763	7.71543	-0.17254	7.74210	0.17254	7.76877	0.51763
BANFF 8, SK numu flux, 3.5 - 5.0 GeV	0.087 37	7.67280	-0.72413	7.71011	-0.24137	7.74742	0.24137	7.78473	0.72413
BANFF 9, SK numu flux, 5.0 - 7.0 GeV	0.097 94	7.70161	-0.35138	7.71971	-0.11713	7.73782	0.11713	7.75592	0.35138
BANFF 10, SK numu flux, 7.0 - 30.0 GeV	0.11436	7.71396	-0.19160	7.72383	-0.06387	7.73370	0.06387	7.74357	0.19160
BANFF 11, SK numubar flux, 0.0 - 0.7 GeV	0.10258	7.72554	-0.04170	7.72769	-0.01390	7.72984	0.01390	7.73199	0.04170
BANFF 12, SK numubar flux, 0.7 - 1.0 GeV	0.07853	7.72348	-0.06833	7.72700	-0.02278	7.73052	0.02278	7.73404	0.06833
BANFF 13, SK numubar flux, 1.0 - 1.5 GeV	0.084 45	7.72030	-0.10946	7.72594	-0.03649	7.73158	0.03649	7.73722	0.10946
BANFF 14, SK numubar flux, 1.5 - 2.5 GeV	0.08557	7.71844	-0.13363	7.72532	-0.04454	7.73221	0.04454	7.73909	0.13363
BANFF 15, SK numubar flux, 2.5 - 30.0 GeV	0.08643	7.71832	-0.13509	7.72528	-0.04503	7.73224	0.045 03	7.739 20	0.13509
BANFF 16, SK nue flux, 0.0 - 0.5 GeV	0.08970	7.53464	-2.51176	7.66406	-0.83725	7.79347	0.83725	7.92289	2.51176
BANFF 17, SK nue flux, 0.5 - 0.7 GeV	0.089 95	7.45162	-3.58593	7.63638	-1.19530	7.82115	1.19530	8.00591	3.58593
BANFF 18, SK nue flux, 0.7 - 0.8 GeV	0.085 96	7.59193	-1.77043	7.68315	-0.59014	7.77438	0.59014	7.86560	1.77043
BANFF 19, SK nue flux, 0.8 - 1.5 GeV	0.08092	7.32291	-5.25120	7.59348	-1.75040	7.86405	1.75040	8.13462	5.25120
BANFF 20, SK nue flux, 1.5 - 2.5 GeV	0.078 97	7.69879	-0.38778	7.71877	-0.12926	7.73875	0.12926	7.75873	0.38778
BANFF 21, SK nue flux, 2.5 - 4.0 GeV	0.08385	7.72435	-0.05714	7.72729	-0.01905	7.73024	0.01905	7.73318	0.05714
BANFF 22, SK nue flux, 4.0 - 30.0 GeV	0.09389	7.72691	-0.02399	7.72815	-0.00800	7.72938	0.00800	7.73062	0.02399
BANFF 23, SK nuebar flux, 0.0 - 2.5 GeV	0.074 03	7.69008	-0.50056	7.71587	-0.16685	7.74166	0.16685	7.76745	0.50056
BANFF 24, SK nuebar flux, 2.5 - 30.0 GeV	0.128 42	7.72733	-0.01856	7.72829	-0.00619	7.72924	0.00619	7.73020	0.01856
BANFF; Norm; 2p2h	1	7.10426	-8.08025	7.10426	-8.08020	8.35327	8.080 20	9.60227	24.24070
BANFF; CA5 RES	0.14852	6.79392	-12.09570	7.36730	-4.67690	8.14008	5.321 80	9.11225	17.90050
BANFF; Norm; BgRES Isospin 1/2	0.30769	7.59603	-1.71741	7.63536	-1.20860	7.87133	1.84460	8.30395	7.44218
BANFF, Ma QE	0.02500	7.53314	-2.53109	7.66525	-0.82173	7.79058	0.79982	7.90919	2.33448
BANFF, Ma RES	0.15790	6.86591	-11.16420	7.44066	-3.72770	8.01107	3.65270	8.54977	10.62280
BANFF; Fermi Momentum	0.057 78	7.83522	1.37735	7.78578	0.73773	7.66852	-0.77953	7.53918	-2.45299
BANFF; Shape; CC Oth	0.40000	7.67697	-0.67010	7.70961	-0.24785	7.74792	0.24785	7.78623	0.74355
BANFF; Norm, CC Coh	0.30000	7.72150	-0.09397	7.72634	-0.03132	7.73119	0.03132	7.73603	0.09397
BANFF; Norm, NC Coh	0.30000	7.43923	-3.74620	7.63225	-1.24870	7.82528	1.24870	8.01830	3.74620
BANFF; Norm, NC Oth	0.30000	7.56727	-2.08958	7.67493	-0.69653	7.78260	0.69653	7.89026	2.08958
BANFF; Norm, $\nu_e$ To $\nu_\mu$	0.028 28	7.38568	-4.43909	7.61440	-1.47970	7.84313	1.47970	8.07185	4.43909
BANFF; Norm; NC 1 $\gamma$	1	6.67789	-13.59690	6.67789	-13.59700	8.77964	13.59700	10.88140	40.79070
BANFF; Norm, $\bar{\nu}_e$ To $\bar{\nu}_\mu$	0.028 28	7.71427	-0.18751	7.72393	-0.06250	7.73359	0.06250	7.74326	0.18751
BANFF; Norm; 2p2hBar	1	7.71120	-0.22732	7.71120	-0.22732	7.74633	0.22732	7.78147	0.68196
BANFF; BeRPA A	0.118 00	7.01876	-9.18649	7.49210	-3.06220	7.96543	3.06220	8.43877	9.18649
BANFF; BeRPA B	0.210 00	6.93544	-10.26450	7.46432	-3.42150	7.99320	3.42150	8.52208	10.26450
BANFF; BeRPA D	0.16950	7.24990	-6.19588	7.56914	-2.06530	7.88839	2.06530	8.20763	6.19588
BANFF; BeRPA E	0.35200	7.70300	-0.33331	7.71846	-0.13336	7.73908	0.13341	7.75971	0.40036
BANFF; Shape; 2p2h	3	7.67646	-0.67681	7.70261	-0.33840	7.73977	0.14240	7.75078	0.28481
BANFF; Norm; 2p2h C to O	0.200 00	7.34352	-4.98454	7.60035	-1.66150	7.85718	1.66150	8.11401	4.98454
SKDet + FSI/SI 9; $E_{reco}(0.00 - 0.35)$ GeV; $\nu_{\mu}/\bar{\nu}_{\mu}$ CC $(1R_e)$	0.30294	7.51582	-2.75527	7.65778	-0.91842	7.79975	0.91842	7.94171	2.75527
SKDet + FSI/SI 10; $E_{reco}(0.35 - 0.80)$ GeV; $\nu_{\mu}/\bar{\nu}_{\mu}$ CC $(1R_e)$	0.321 11	7.37144	-4.62328	7.60966	-1.54110	7.84787	1.541 10	8.08609	4.62328
SKDet + FSI/SI 11; $E_{reco}(0.80 - 1.25)$ GeV; $\nu_{\mu}/\bar{\nu}_{\mu}$ CC $(1R_e)$	0.39343	7.69244	-0.46998	7.71666	-0.15666	7.74087	0.15666	7.76509	0.46998
SKDet + FSI/SI 12; $E_{reco}(0.00 - 0.35)$ GeV; $\nu_e/\bar{\nu}_e$ CC $(1R_e)$	0.135 33	7.52648	-2.61730	7.66134	-0.87243	7.79619	0.87243	7.93105	2.61730
SKDet + FSI/SI 13; $E_{reco}(0.35 - 0.80)$ GeV; $\nu_e/\bar{\nu}_e$ CC $(1R_e)$	0.06980	7.25613	-6.11524	7.57122	-2.03840	7.88631	2.03840	8.20140	6.11524
SKDet + FSI/SI 14; $E_{reco}(0.80 - 1.25)$ GeV; $\nu_e/\bar{\nu}_e$ CC $(1R_e)$	0.077 18	7.39095	-4.37093	7.61616	-1.45700	7.84137	1.45700	8.06658	4.37093
SKDet + FSI/SI 15; $E_{reco}(0.00 - 0.35)$ GeV; all NC $(1R_e)$	0.25474	6.88826	-10.87510	7.44860	-3.62500	8.00893	3.62500	8.56927	10.87510
SKDet + FSI/SI 16; $E_{reco}(0.35 - 0.80)$ GeV; all NC $(1R_e)$	0.17369	6.97172	-9.79518	7.47642	-3.26510	7.98111	3.26510	8.48581	9.79518
SKDet + FSI/SI 17; $E_{reco}(0.80 - 1.25)$ GeV; all NC $(1R_e)$	0.56442	7.17685	-7.14099	7.54479	-2.38030	7.91273	2.38030	8.28067	7.14099