

# **Mumu Channel Update**

Connor Waits 10-18-22

### Old Limits

6 TeV	Lower	Upper	10 TeV	Lower	Upper	30 TeV	Lower	Upper
T0	-0.0065212	0.00262228	T0	-0.0011572	0.00056034	T0	-3.12E-05	1.79E-05
T1	-0.0359599	0.023531	T1	-0.001984	0.00088265	T1	-4.85E-05	3.08E-05
T2	-0.051845	0.02954173	T2	0.08531317	0.00117643	T2	-8.97E-05	4.18E-05
T6	-0.0051563	0.00400069	T6	-0.0009018	0.00074049	T6	-2.61E-05	2.32E-05
T7	-0.0066144	0.00418164	T7	-0.0011483	0.00085549	T7	-3.30E-05	2.72E-05

### New Limits

6 TeV	Lower	Upper	10 TeV	Lower	Upper	30 TeV	Lower	Upper
T0	-0.0065397	0.00262444	T0	-0.001181	0.0005696	T0	-3.12E-05	1.79E-05
T1	-0.0363223	0.02363607	T1	-0.001986	0.00088964	T1	-4.98E-05	3.14E-05
T2	-0.1183749	0.02972965	T2	-0.0067233	0.00120208	T2	-9.07E-05	4.21E-05
T6	-0.005231	0.00405712	T6	-0.0009017	0.00074312	T6	-2.65E-05	2.36E-05
T7	-0.0067509	0.00423734	T7	-0.0011481	0.00086226	T7	-3.36E-05	2.78E-05

6 TeV T2 Dijet Mass Plots  
Original (left), Last 2 bins merged (right)



