

Weekly Meeting

Qi Li

IHEP

6/8/2015

Limit of low mass points

mass	observed	p2s	p1s	median	m1s	m2s
non-res	0.69442 +/- 0.00851557	0.945112	0.669831	0.470376	0.349449	0.271155
260	2.14519 +/- 0.157993	2.06554	1.51329	1.18523	0.961272	0.828108
270	1.97283 +/- 0.0117431	2.47479	1.81532	1.43597	1.23918	1.07212
280	1.90803 +/- 0.00813178	2.42864	1.73935	1.3639	1.12555	0.97299
285	2.17095 +/- 0.127243	2.47228	1.74876	1.34728	1.12754	1.02329
290	2.05915 +/- 0.0092999	2.48212	1.79334	1.36648	1.14594	0.969358
295	1.59798 +/- 2.375	2.46251	1.75867	1.34995	1.11421	0.962538
300	2.06412 +/- 0.0118141	2.42015	1.71615	1.29075	1.06782	0.907194
305	1.23676 +/- 0.0066832	2.29668	1.63571	1.25581	1.05368	0.911779
310	1.29238 +/- 0.00622352	2.28153	1.60562	1.23351	1.05126	0.962971
315	1.59003 +/- 0.0086396	2.22109	1.57494	1.22236	1.00057	0.893418

Limits of low mass points

mass	observed	median	p2s	p1s	m1s	m2s
320	1.58644 +/- 0.0076576	2.15476	1.51827	1.18928	1.01475	0.843078
325	2.02242 +/- 0.00592433	2.17638	1.5323	1.17806	0.949032	0.83382
330	1.69125 +/- 0.00710985	2.0893	1.49212	1.15395	0.991119	0.864265
340	1.676 +/- 0.0593386	1.97726	1.37707	1.09101	0.916844	0.791425
350	1.53335 +/- 0.0374681	1.77767	1.22749	0.970257	0.80455	0.697973
360	1.09706 +/- 0.00589513	1.6657	1.13969	0.912345	0.767564	0.647487
380	1.16695 +/- 0.00565728	1.48732	1.01774	0.833217	0.694431	0.595749
400	0.846112 +/- 0.00345243	1.13434	0.779873	0.612586	0.501249	0.426709
420	0.756431 +/- 0.00379506	1.0092	0.700457	0.554135	0.453348	0.36668
440	0.713558 +/- 0.00922238	0.939581	0.654156	0.509919	0.411934	0.35373
460	0.689996 +/- 0.0123178	0.87253	0.606264	0.479501	0.382551	0.32841
480	0.655318 +/- 0.00299741	0.816367	0.567915	0.451094	0.374983	0.319237
500	0.624481 +/- 0.00500437	0.772002	0.529908	0.425235	0.342951	0.285872

Limits of high mass

mass	observed	median	p2s	p1s	m1s	m2s
500	0.177217	0.155821	0.352654	0.231944	0.112277	0.083633
520	0.201775	0.133575	0.289399	0.196128	0.096248	0.071693
540	0.138892	0.112877	0.244262	0.165512	0.081334	0.060584
560	0.106657	0.095726	0.205694	0.140082	0.068976	0.051379
580	0.095414	0.078882	0.171059	0.115879	0.056839	0.042338
600	0.07852	0.066578	0.146361	0.098255	0.047973	0.035734
620	0.064563	0.061138	0.133343	0.090058	0.044054	0.032815
640	0.047805	0.054436	0.119843	0.080501	0.039224	0.029217
660	0.046541	0.049494	0.109518	0.073344	0.035663	0.026565
680	0.04208	0.045108	0.100764	0.067058	0.032503	0.024211
700	0.040019	0.040052	0.090879	0.059899	0.02886	0.021497
720	0.038085	0.037137	0.0849	0.055664	0.026759	0.019932
740	0.035331	0.034507	0.07952	0.051873	0.024864	0.018521

Limits of High Mass Points

mass	observed	median	p2s	p1s	m1s	m2s
760	0.035596	0.031926	0.074286	0.048142	0.023005	0.017136
780	0.043039	0.029842	0.070062	0.045134	0.021503	0.016017
800	0.048757	0.028021	0.066297	0.042496	0.02019	0.015039
820	0.050109	0.026652	0.063529	0.040572	0.019204	0.014305
840	0.045507	0.025261	0.060773	0.038554	0.018202	0.013558
860	0.034639	0.024215	0.058685	0.037028	0.017449	0.012997
880	0.022206	0.023009	0.056328	0.035346	0.016579	0.012349
900	0.015471	0.021554	0.053419	0.033245	0.015531	0.011568
920	0.013958	0.021114	0.052622	0.032635	0.015214	0.011332
940	0.012751	0.019863	0.050379	0.030871	0.014313	0.010661
960	0.011605	0.019259	0.049195	0.029995	0.013877	0.010337
980	0.011425	0.01884	0.048551	0.029401	0.013575	0.010112
1000	0.011041	0.018192	0.047189	0.028399	0.013108	0.009764

P-value of low mass

mass	p-value
non-res	0.04452
260	0.00612
270	0.09325
280	0.09171
285	0.01392
290	0.0204
295	0.02721
300	0.0054
305	0.17682
310	0.1625
315	0.13394
320	0.11295
325	0.0117
330	0.07746
340	0.06193
350	0.04918
360	0.99396
380	0.99511
400	0.1785
420	0.17115
440	0.16167
460	0.14153
480	0.12857
500	0.12195

Limit plots and P0 plot

