

Weekly Meeting

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IHEP

updates

- Limits of low mass points after throwing more toys – 100k(it was 10k at last time)
- P-value and Significance

Limits of low mass points-10k

mass	observed	median	p2s	p1s	m1s	m2s
125	0.580657 +/- 0.00716109	0.598951	1.0382	0.785073	0.396164	0.290772
260	2.43684 +/- 1e+30	1.24639	2.23641	1.59939	1.04164	0.821817
270	1.75 +/- 0.0255604	1.52976	2.75	1.88866	1.26064	1.125
280	1.99993 +/- 0.0298628	1.37614	2.56582	1.85378	1.26691	1.12652
285	2.38567 +/- 0.0922138	1.42907	2.58054	1.84226	1.23782	1.07908
290	2.29972 +/- 0.0377823	1.40016	2.57733	1.83827	1.22353	1.04403
295	2.12861 +/- 0.0396961	1.41333	2.57655	1.83944	1.20285	1.0411
300	2.31781 +/- 0.0869728	1.37646	2.53951	1.79488	1.10736	0.95409
305	1.24673 +/- 0.0255256	1.30389	2.37349	1.6925	1.14039	0.975
310	1.27623 +/- 0.0204665	1.2396	2.28988	1.69229	1.07565	0.981384
315	1.75283 +/- 0.0340015	1.27372	2.27829	1.6264	1.07725	0.890445
320	1.72098 +/- 0.0298662	1.21249	2.25345	1.56272	1.01113	0.820433
325	2.18975 +/- 0.182026	1.2125	2.23566	1.56939	0.962642	0.890206
330	1.84872 +/- 0.0217169	1.16797	2.17712	1.51561	1.04986	0.976711
340	1.8091 +/- 0.0265305	1.11776	2.01673	1.37495	1.00927	0.829232
350	1.64897 +/- 0.0252053	0.976714	1.81233	1.28141	0.854511	0.672446
360	1.21059 +/- 0.0207717	0.920817	1.70364	1.21839	0.797324	0.707431
380	1.23247 +/- 0.0166268	0.821054	1.5101	1.04191	0.766036	0.65
400	0.929059 +/- 0.0126991	0.629123	1.19	0.825639	0.519121	0.398045
420	0.804347 +/- 0.0116151	0.566026	1.04	0.734595	0.442765	0.41196
440	0.754286 +/- 0.011612	0.515538	0.985666	0.670012	0.434893	0.343993
460	0.706685 +/- 0.0103387	0.481086	0.89455	0.625532	0.40718	0.33906
480	0.69011 +/- 0.0114217	0.441111	0.824276	0.589677	0.372489	0.323476
500	0.64028 +/- 0.0110354	0.425312	0.780411	0.549043	0.342429	0.315

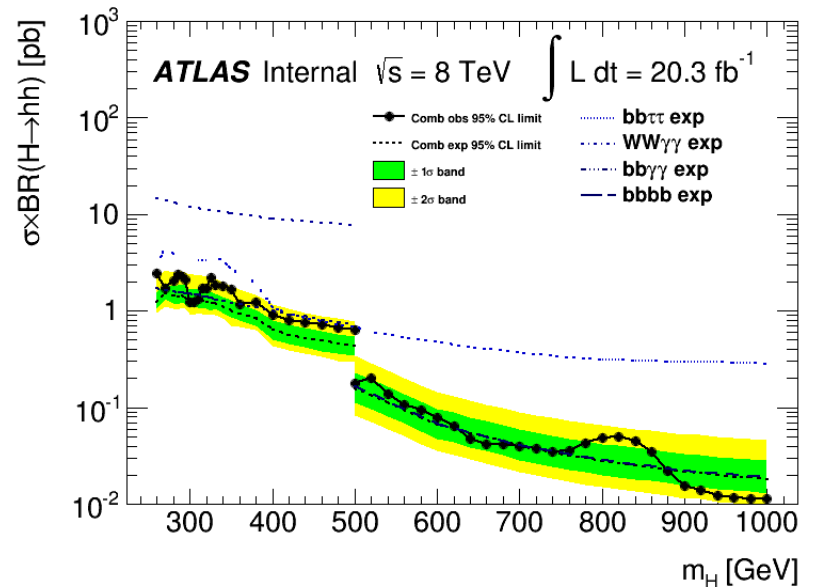
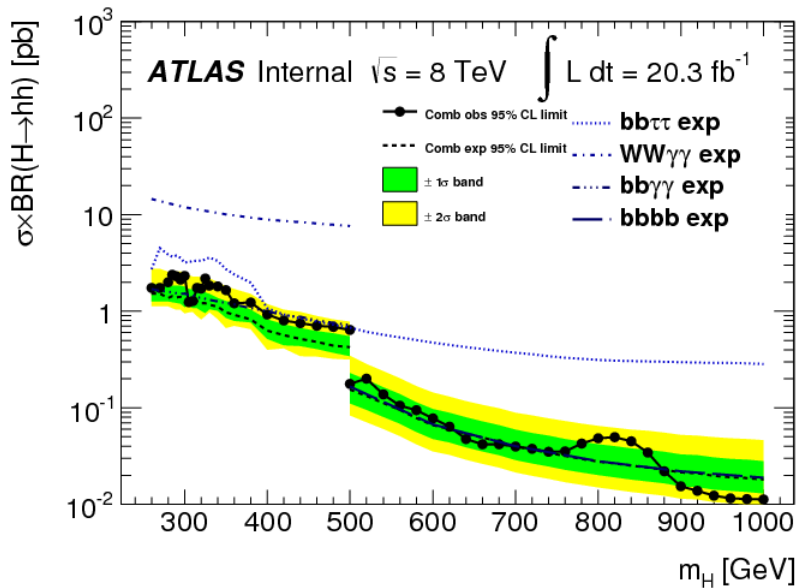
Limits of low mass points-100k

mass	observed	median	p2s	p1s	m1s	m2s
125	0.696253 +/- 0.00780312	0.475211	0.931979	0.672042	0.348947	0.273748
260	2.45231 +/- 1e+30	1.22254	2.22904	1.55539	1.0638	0.957396
270	1.73099 +/- 0.00779721	1.51469	2.61651	1.91196	1.32781	1.11048
280	2.05532 +/- 0.00985636	1.43754	2.5297	1.82877	1.19855	1.06191
285	2.36679 +/- 0.0178593	1.41769	2.56447	1.83998	1.17962	1.04026
290	2.26145 +/- 0.011392	1.42123	2.58776	1.87596	1.2234	1.07607
295	2.125 +/- 0.012334	1.37265	2.54204	1.8498	1.17221	1.05088
300	1.23408 +/- 0.00891558	1.31291	2.37579	1.69497	1.08897	0.935482
305	1.24122 +/- 0.00789286	1.31368	2.38682	1.72845	1.09195	0.914799
310	1.31937 +/- 0.00807594	1.29126	2.3562	1.68843	1.09516	0.955369
315	1.73435 +/- 0.0105139	1.2636	2.30862	1.64197	1.05254	0.931959
320	1.73831 +/- 0.00924462	1.22535	2.25286	1.58583	1.04841	0.919562
325	2.20859 +/- 0.0616161	1.21239	2.21265	1.5731	1.01641	0.92305
330	1.8408 +/- 0.00683148	1.19913	2.15879	1.52508	1.04835	0.899974
340	1.80445 +/- 0.00842707	1.11212	1.99199	1.41807	0.951568	0.845065
350	1.68992 +/- 0.00815661	0.996096	1.82883	1.2886	0.857745	0.709489
360	1.17219 +/- 0.00612765	0.934327	1.68544	1.18525	0.797877	0.681124
380	1.22426 +/- 0.0052111	0.837542	1.49128	1.0336	0.712576	0.631508
400	0.915308 +/- 0.00395289	0.631166	1.16406	0.80439	0.508487	0.438514
420	0.805326 +/- 0.00367978	0.563461	1.04843	0.73118	0.451101	0.393112
440	0.753442 +/- 0.00387459	0.521815	0.959223	0.670545	0.423836	0.360336
460	0.718583 +/- 0.00338184	0.487783	0.888824	0.620343	0.386441	0.332181
480	0.676884 +/- 0.00301388	0.454557	0.831202	0.573556	0.367053	0.305425
500	0.633927 +/- 0.00375971	0.429879	0.771907	0.544991	0.347519	0.298724

Limits plots

Limits plot – 10k – has shown last week

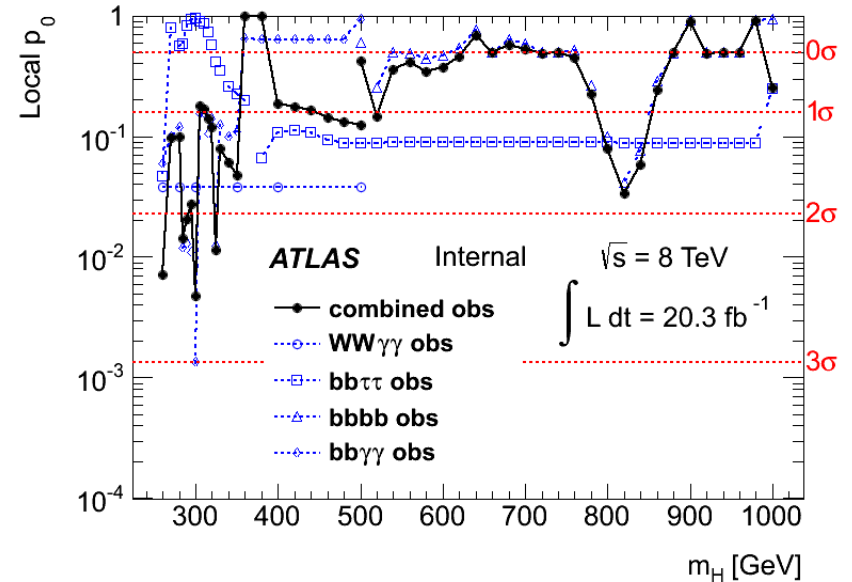
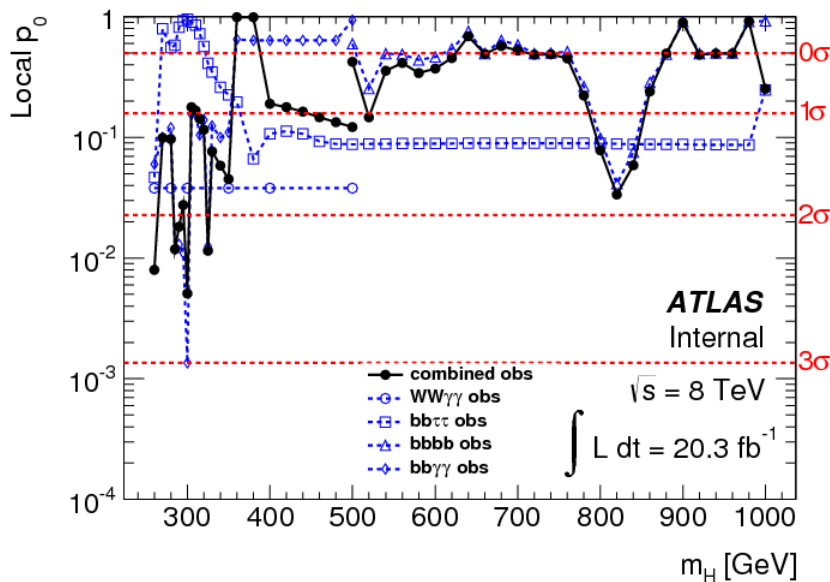
Limits plot – 100k



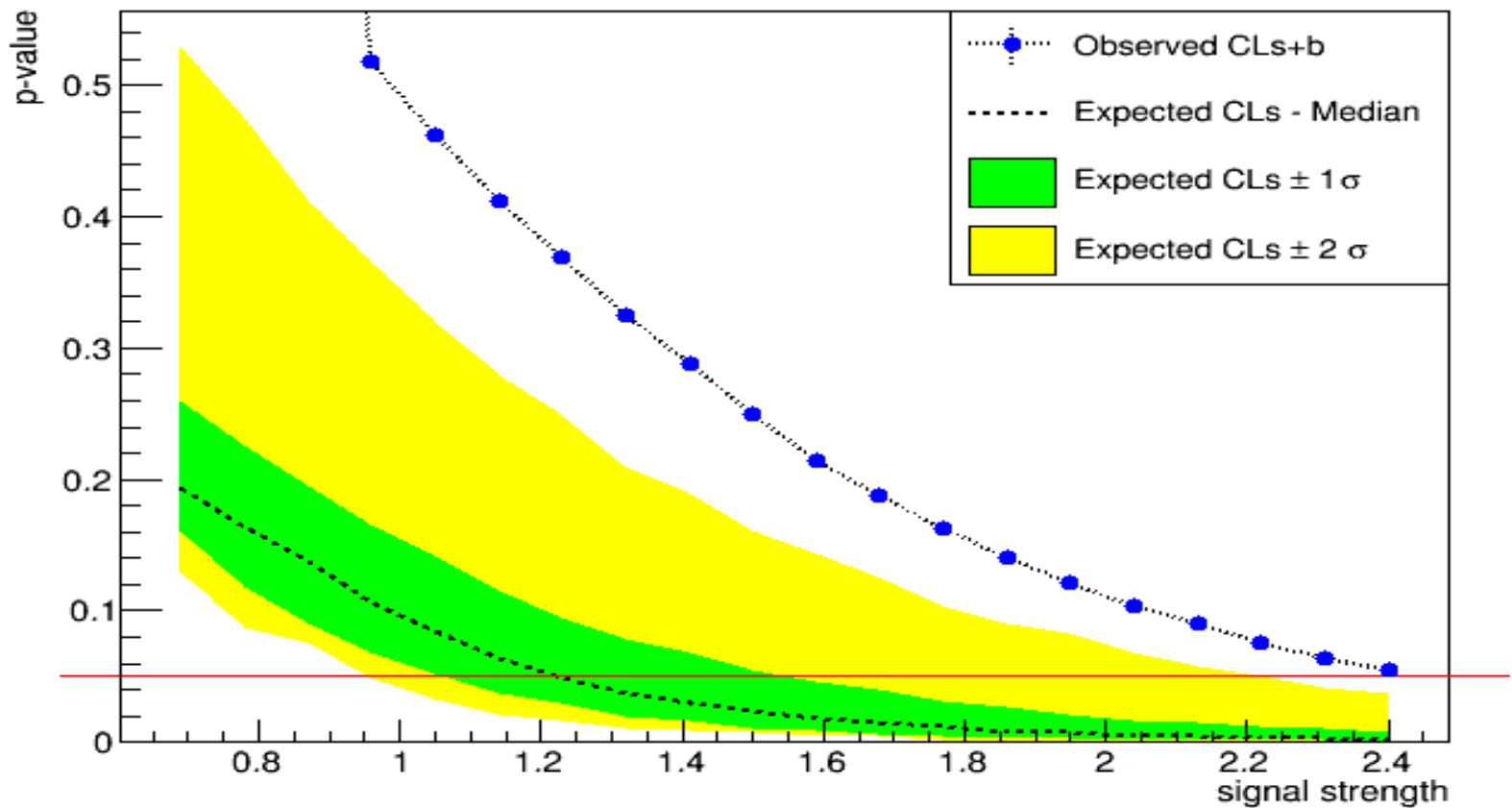
P-value – significance

p-value –10k – has shown last week

p-value –100k



Limit plot of mH260



Summary

- There is one bug about workspaces at mH260, maybe at combData