$hh \rightarrow WW\gamma\gamma$
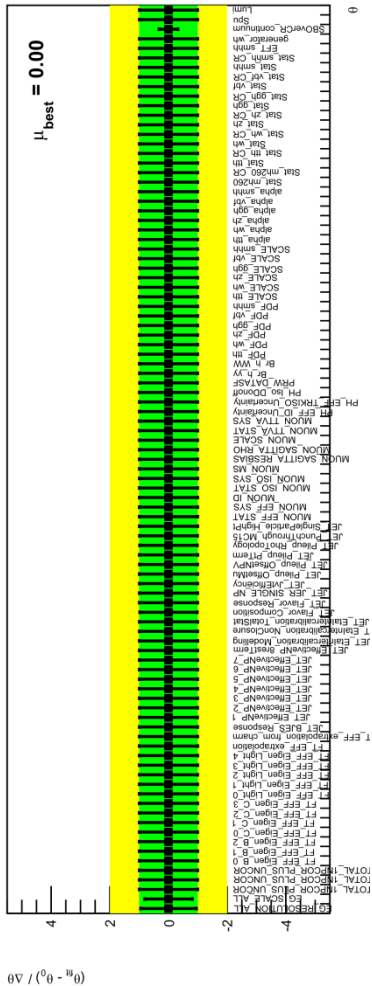
Qi Li
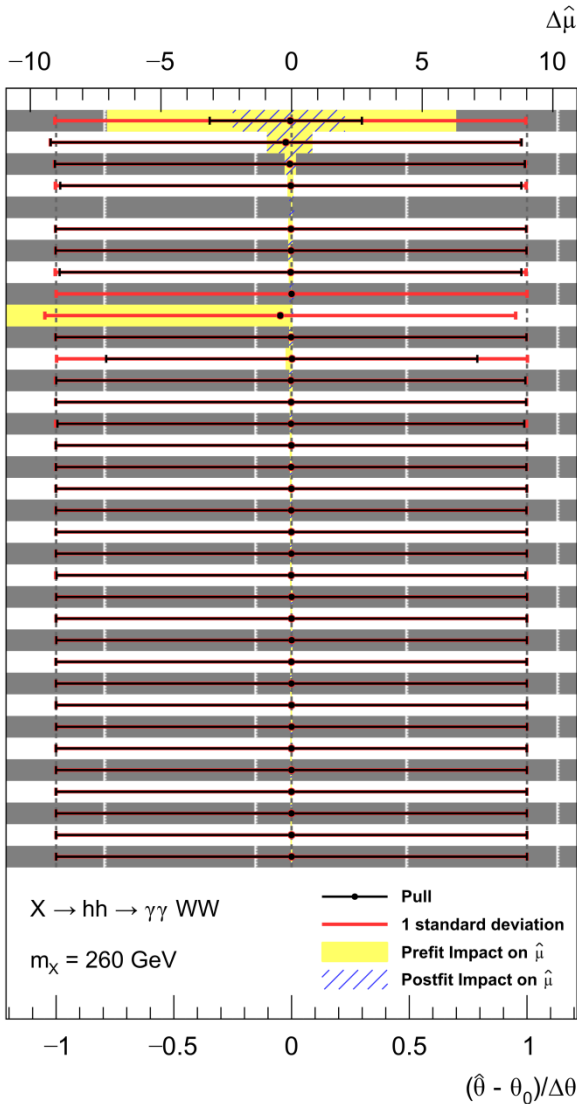
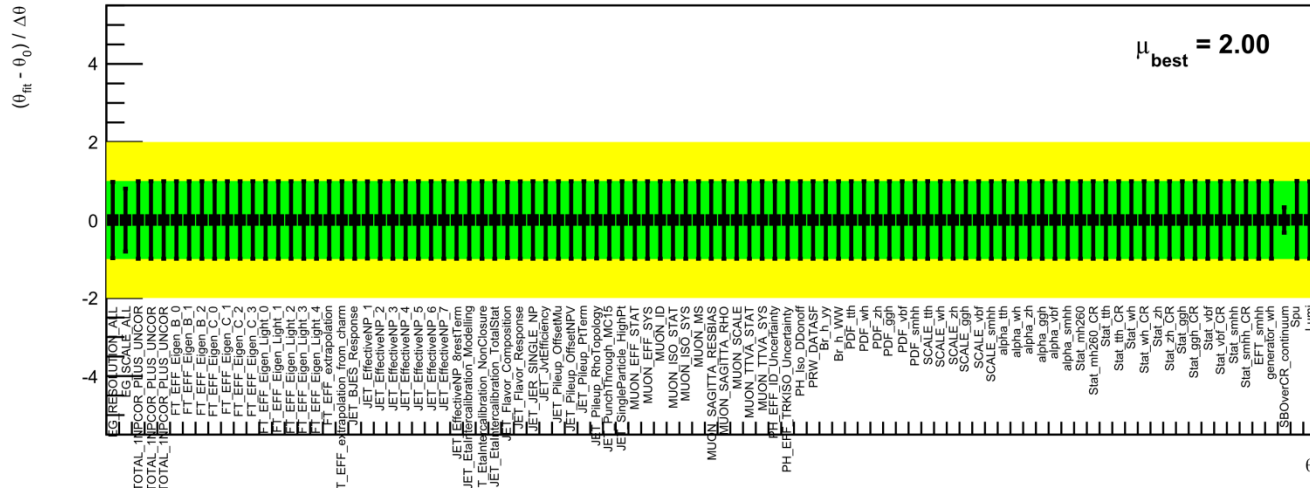IHEP, Beijing

Monday, June 05, 2017
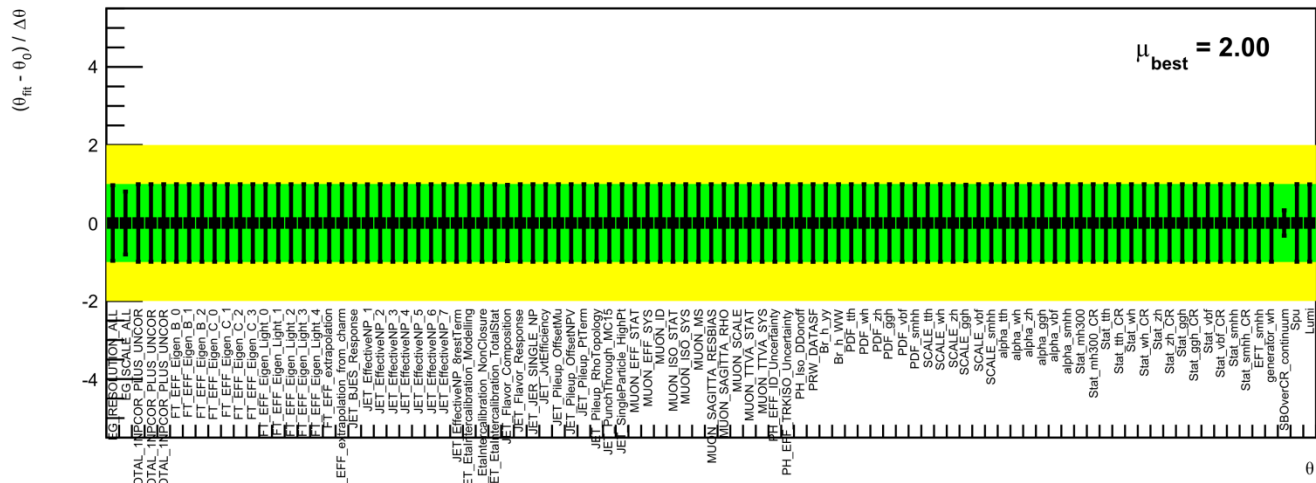
Pull checks and Ranking
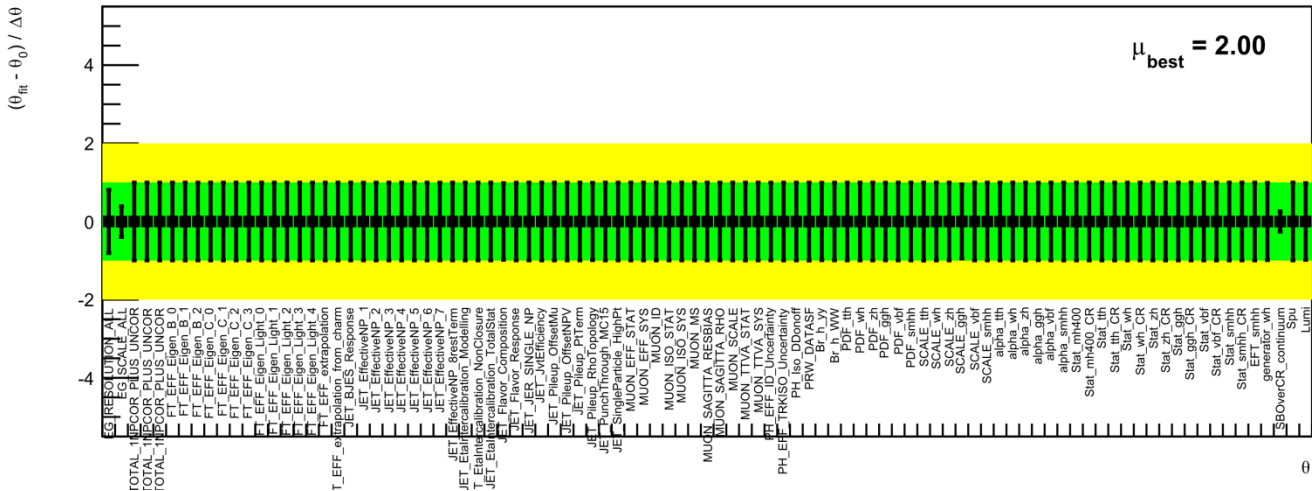

Pulls are consistent
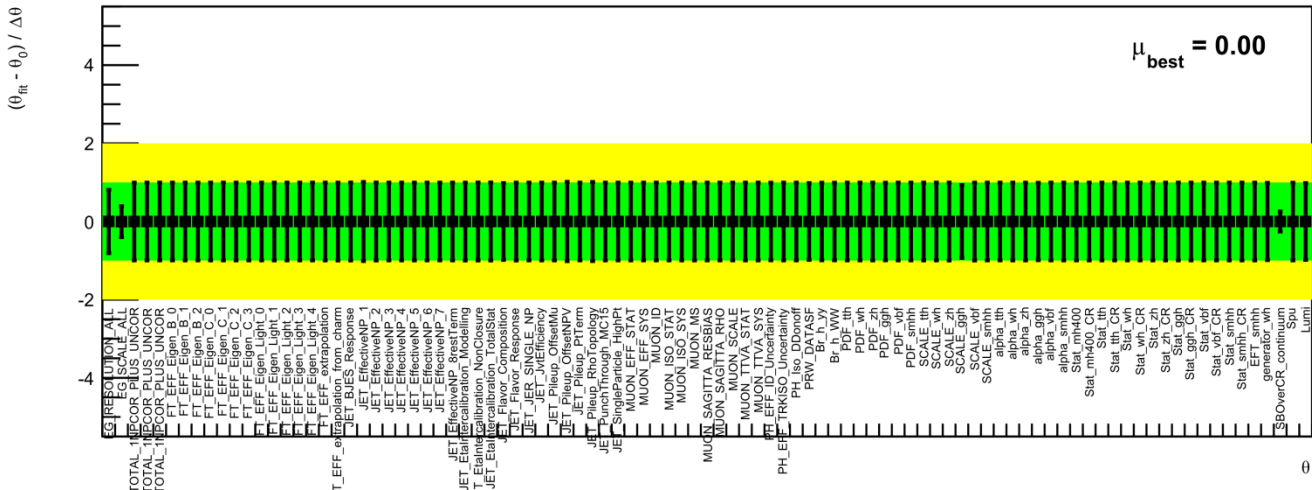
Reminding issue:
Over-constrained NPs
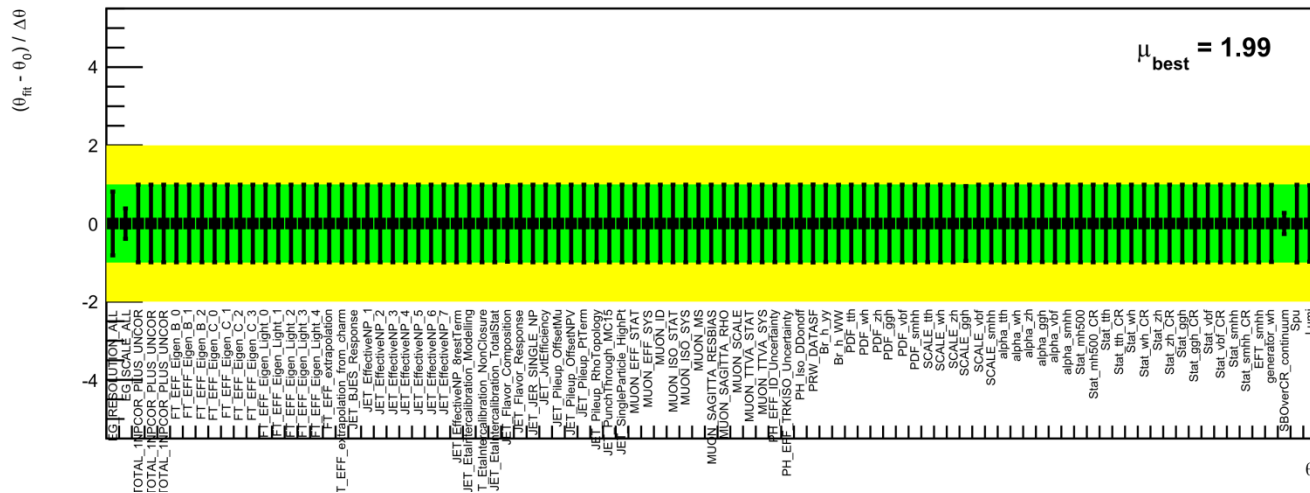1.SBOverCR_continuum
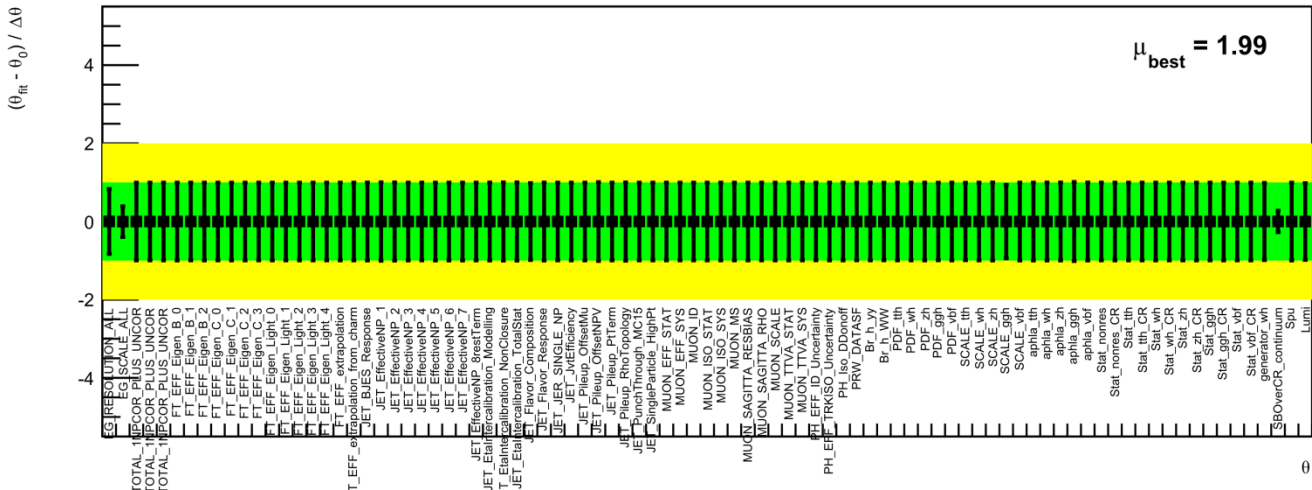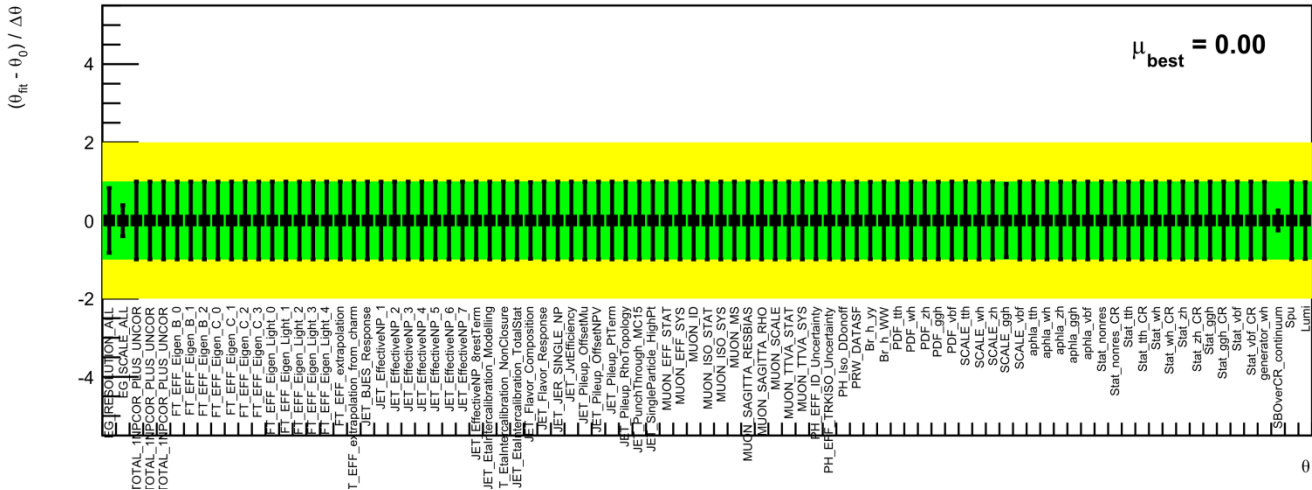2.EG_RESOLUTION_ALL
3.EG_SCALE_ALL

Signal injection

Expected	Bands	Non-res	mh260	mh300	mh400	mh500
$\mu = 0$	Median	5.3401	13.352	11.3597	5.97878	4.38764
	Observed	5.34409	13.3682	11.3681	5.98912	4.39495
$\mu = 2$	Median	5.42712	13.4182	11.426	6.06536	4.47178
	Observed	7.40385	15.113	13.1348	8.01421	6.47877

Mh260
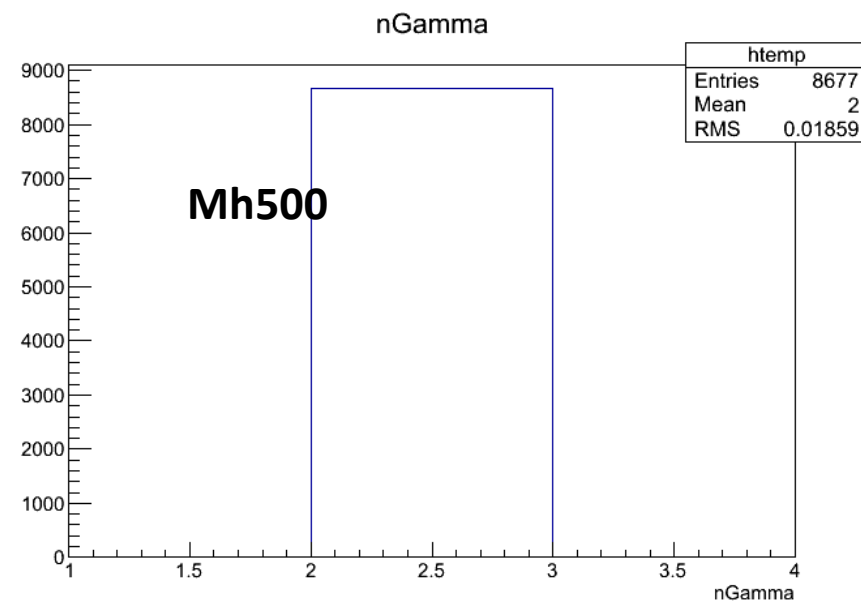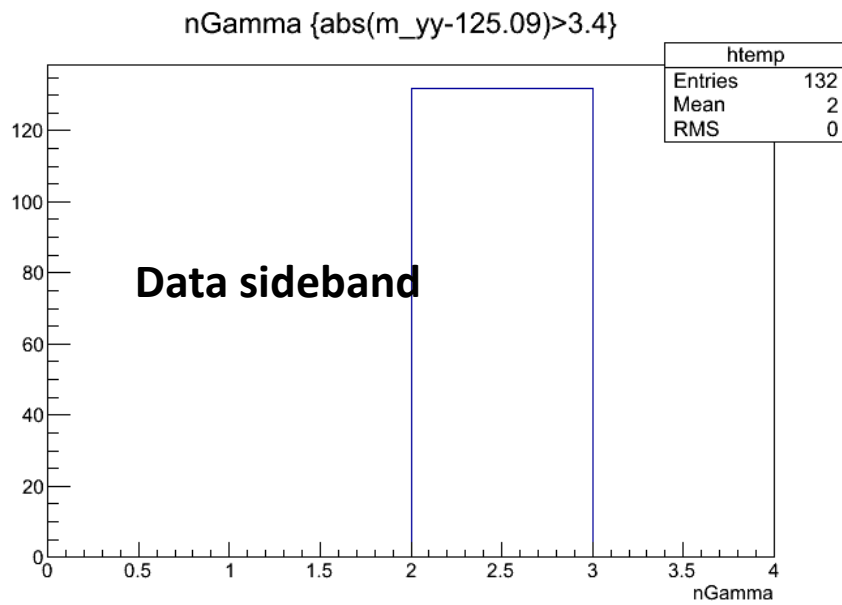
Mh300

Mh400

Mh500

Non-res

Photon multiplicity

Photon size is always 2.

Reminding issues

- Reduced correlation matrix

- Over-constrained NPs

- Zh samples: ggZh, qqZh

- Trigger efficiency

END