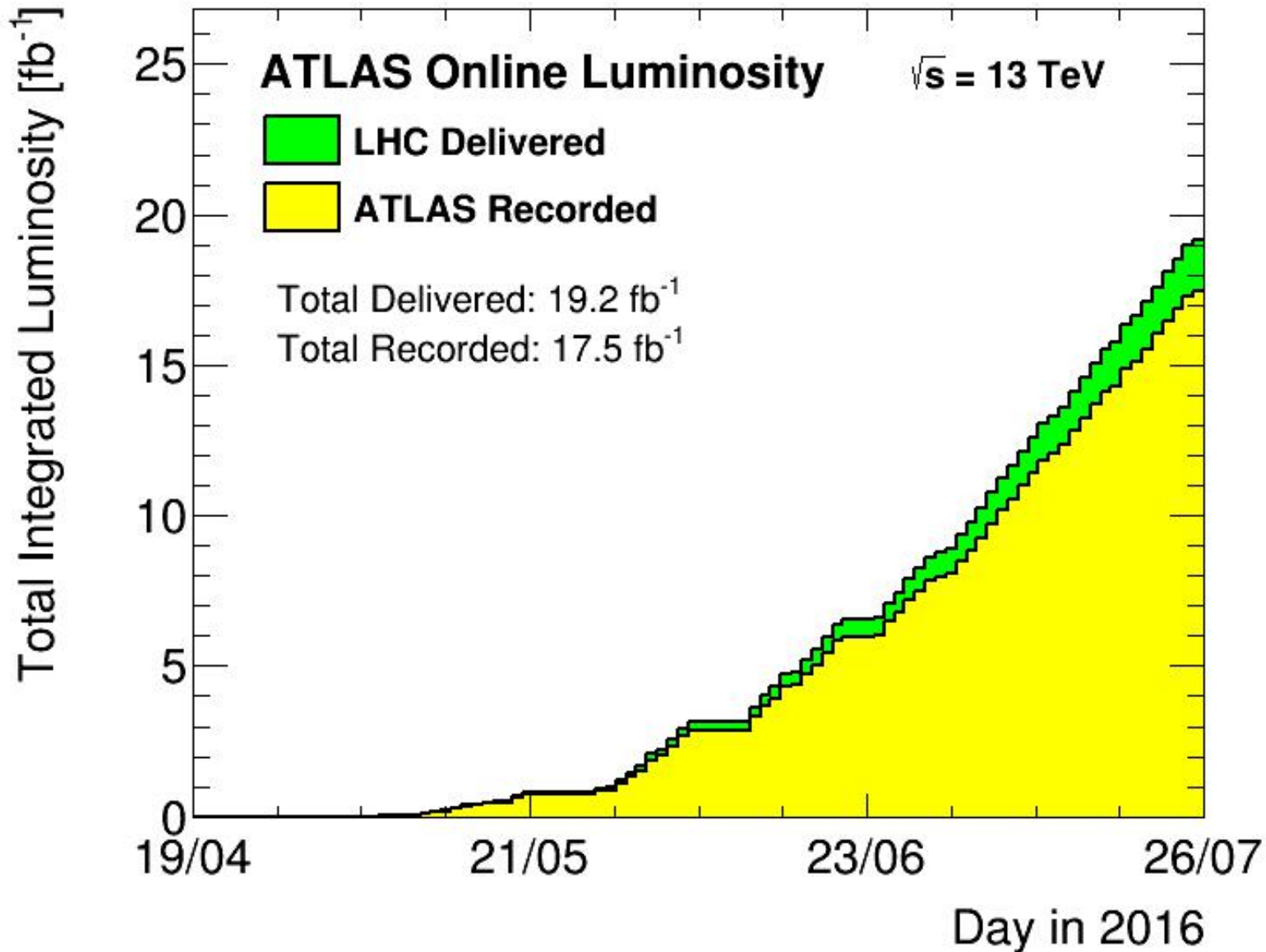


weekly report



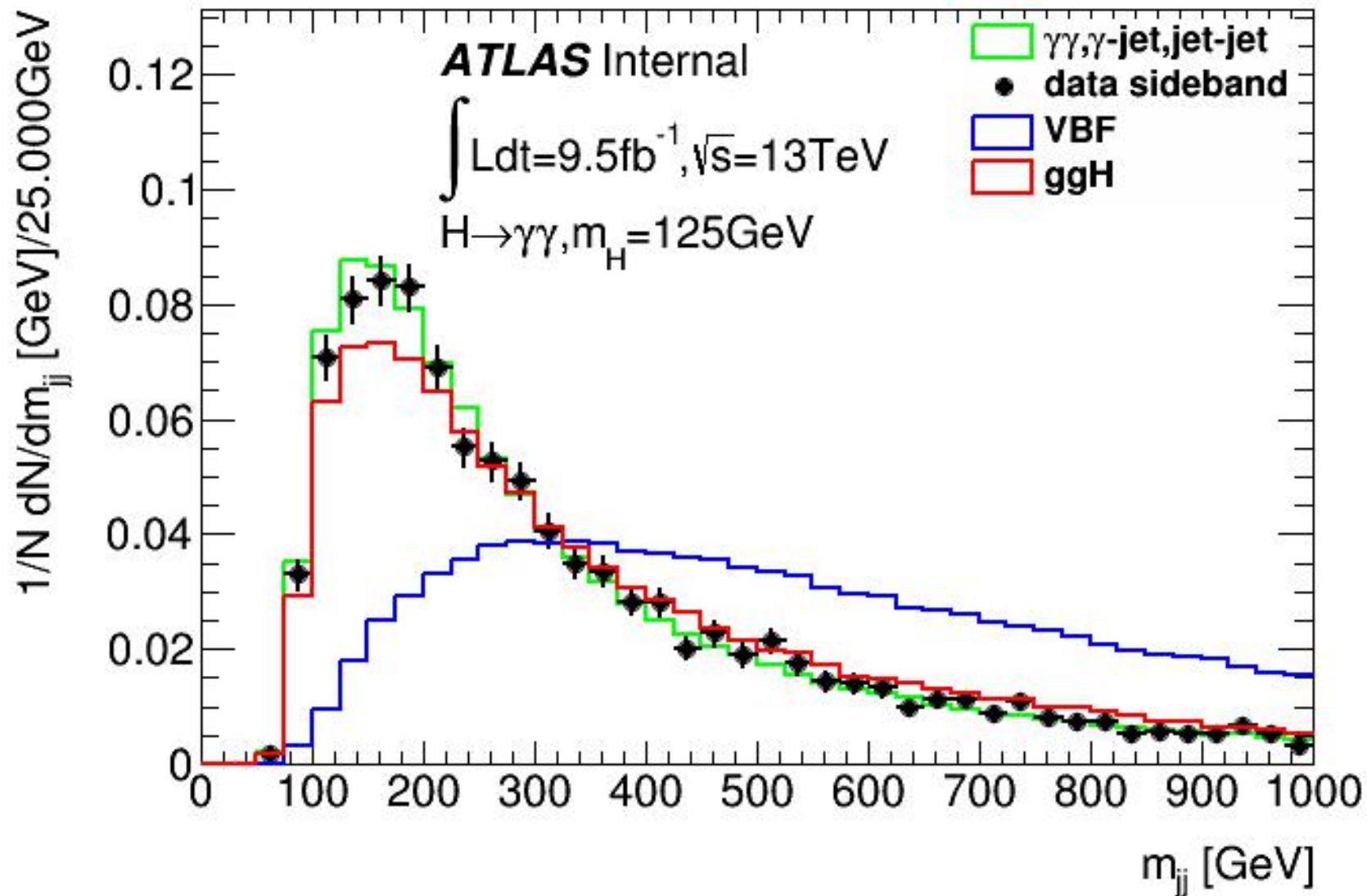
plan for post-ICHEP

2

- HGam Coupling
 - take part in the statistic interpretation
 - succeed creating DSCB based on HGamTools
- Spin/parity
 - especially in VBFH
 - tuning the pT cut to 40/30 GeV?
- $WW(jjjj)\gamma\gamma$ and $yy+$ at least 3jets at 145 GeV
 - need to look at truth jet pT
 - 3 jet and ≥ 4 jet categories
 - pT_{yy}?
 - difficulty in $yy+4$ jets MC

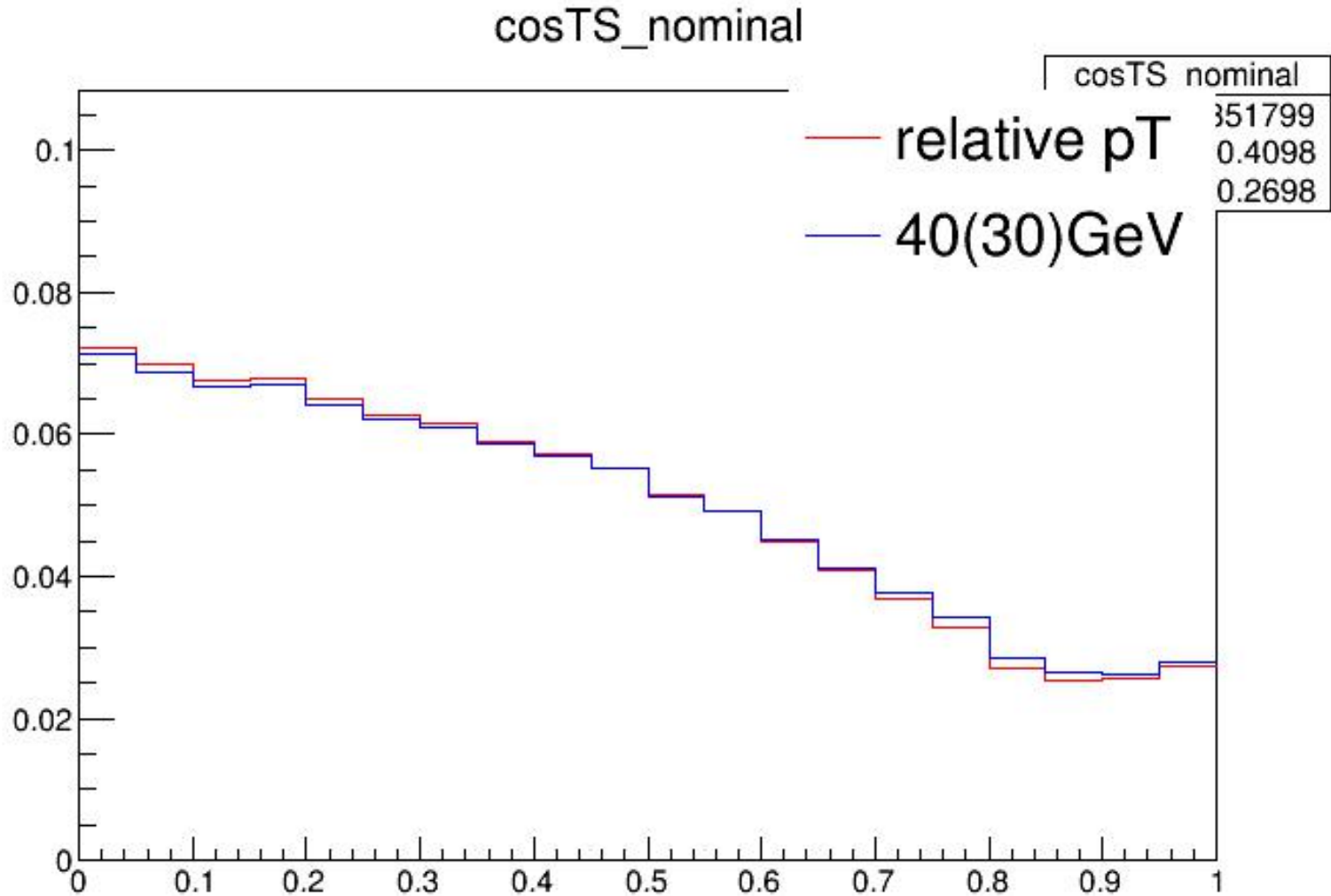
VBF variable

- 3.2 + 6.3 fb⁻¹



cosTS_yy

- compare relative pT and absolute pT, VBF sample is used
- no significant difference



$S \rightarrow ZZ^* \rightarrow 4l$

- 475 GeV
- NW : local 3.4σ global 2.3σ
- LW : local 3.6σ gloval 2.6σ (3%)

