



# Flavour Composition

Laurie McClymont, Andreas Korn

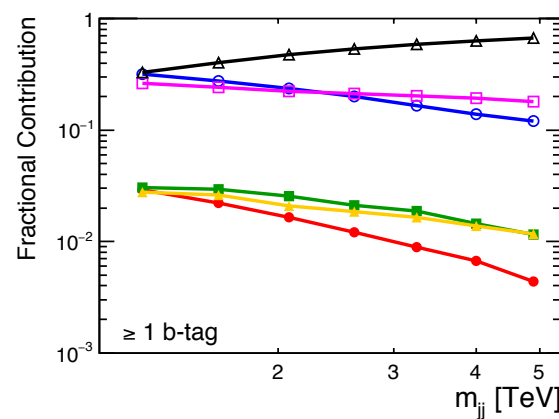
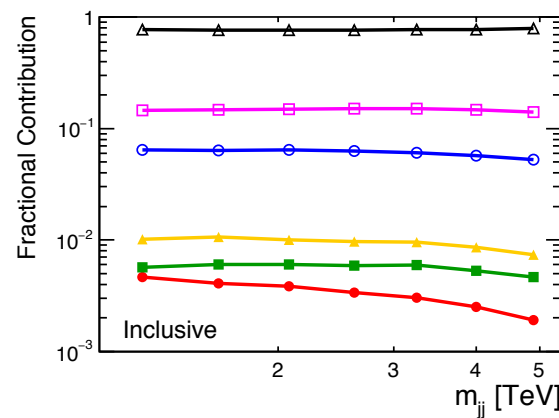
Di-bjet Meet

6 April 2016

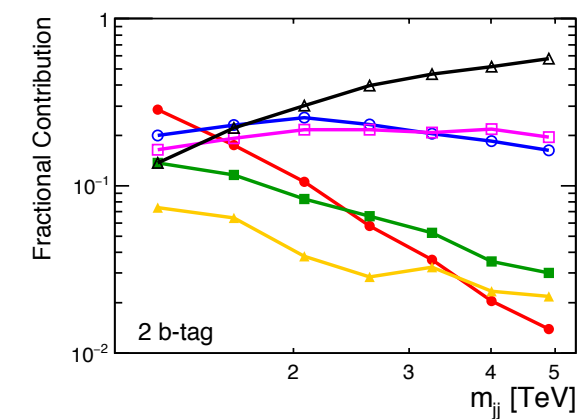
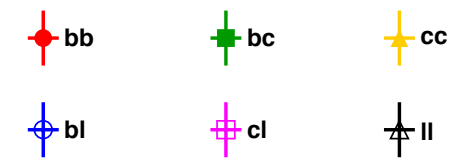


- High Mass Analysis**

- 2 b-tag category is dominated by ll
- bb contribution decreases with  $m_{jj}$  rapidly



## ATLAS Simulation $\sqrt{s} = 13$ TeV



WP	$N_{\text{bkg}}$ in SR	1/prev WP	Exp 1/prev WP
60	2891	0.65	0.73
70	4444	0.73	0.82
77	6009	0.69	0.82
85	8760	-	0

- Low Mass Analysis**

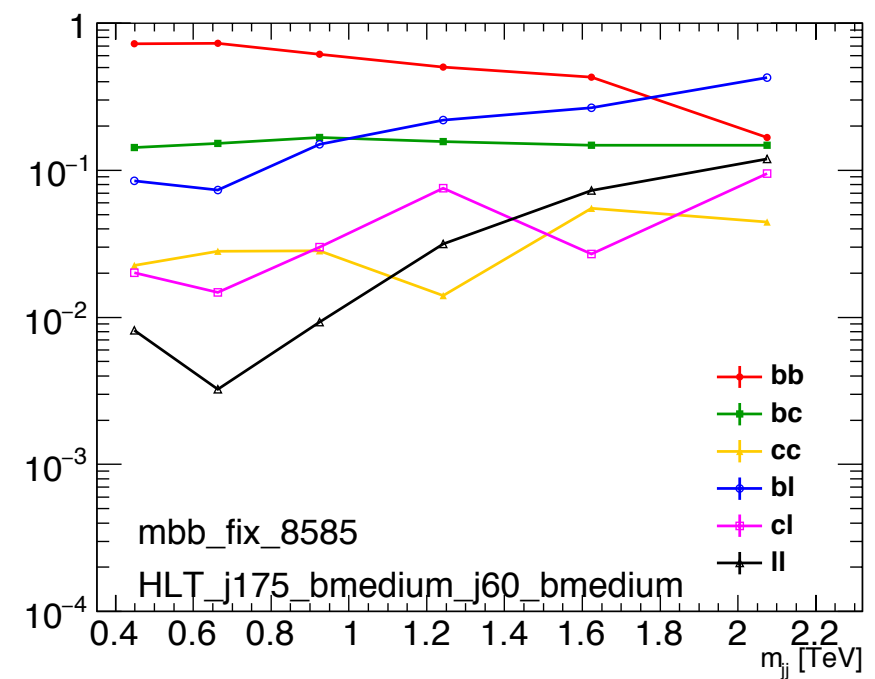
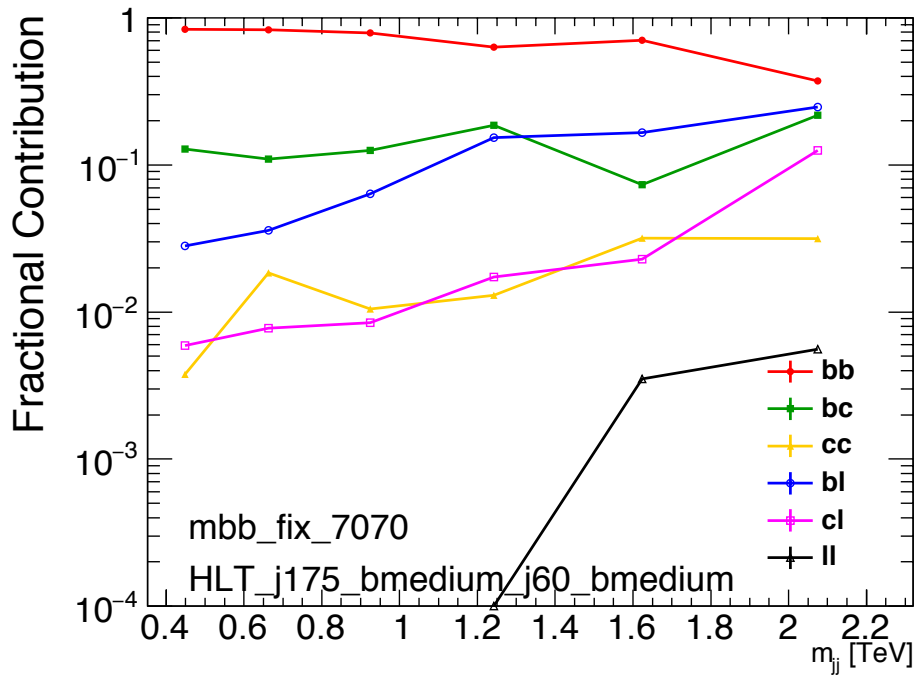
- From last week
- Looks like dominated by b-jets



- HLT\_j175\_bmedium\_j60\_bmedium
- Leading jet  $p_T > 200$  GeV,  $|\eta| < 2.5$
- Subleading jet  $p_T > 80$  GeV,  $|\eta| < 2.5$
- $|y^*| < 0.6$

- **No Trigger Eff. Applied**

- 70% / 85% Eff. Point



- **Dominant bb contribution**