$\cos\theta_{l_i}$ with bTag rew. in mu channel, 2J1T, final selection QCD (MC) Events / bin 500 **DYJets** s-channel 400 diboson tW-channel 300 $W(\rightarrow lv) + jets(excl.)$ t-channel 200 $t\bar{t} (\rightarrow II, Ij)$ MC stat. err. L_{int.} = 19.4 fb⁻¹ 100 diboson: 18.3 ± 1.2 -0.8 -0.6 -0.4 -0.2 0 0.2 0.4 0.6 8.0 t-channel: nan ± nan data: 5953.0 ± 77.2 $\cos \theta_{li}$ QCD (MC): 0.0 ± 0.0 $\chi^2/NDF = nan$ W(\rightarrow Iv) + jets(excl.): 861.5 \pm 34.3 tW-channel: 167.0± 10.0 tt (→ II, Ij): 1654.1± 8.4 DYJets: 94.5 ± 14.7

s-channel: 39.6 ± 6.1