signal PDF signal PS ft α<sub>s</sub> t FSR tisk t scale t PDF tt PS t hdamp btag\_Light\_6 btag\_Light\_5 btag\_Light\_3 btag\_Light\_2 btag\_Light\_12 btag\_Light\_0 btag\_C\_9 btag\_C\_8 btag\_C\_7 btag\_C\_6 btag\_C\_5 btag\_C\_4 btag\_C\_3 btag\_C\_2 btag\_C\_1 btag\_C\_18 btag\_C\_17 btag\_C\_16 btag\_C\_14 btag\_C\_13 btag\_C\_12 btag\_C\_10 btag\_C\_0 btag\_B\_9 btag\_B\_8 btag\_B\_6 btag\_B\_5 btag\_B\_4 btag\_B\_43 btag\_B\_42 btag\_B\_41 btag\_B\_40 btag\_B\_3 btag\_B\_39 btag\_B\_38 btag\_B\_37 btag\_B\_36 btag\_B\_35 Shape dropped Norm. dropped

Not present Kept Dropped Dropped as >100%
Bad shape Bad shape & norm.