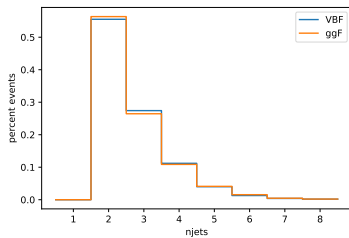


Progress report: Single variable analysis

Arthur Tsang

January 25, 2018

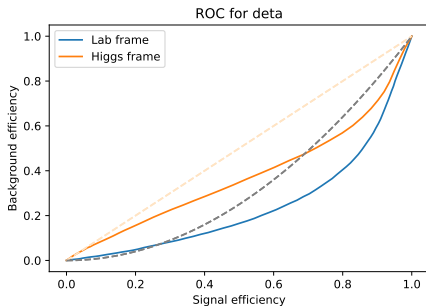
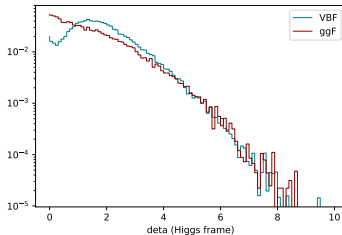
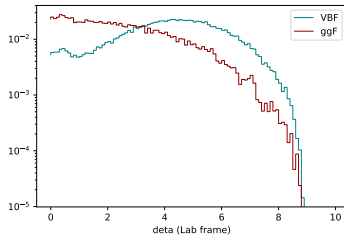
Distribution of njets



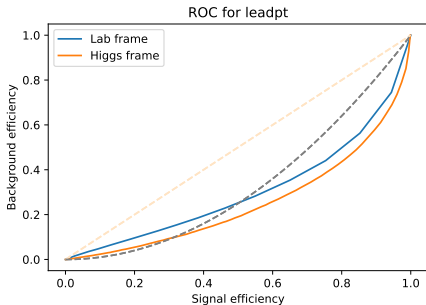
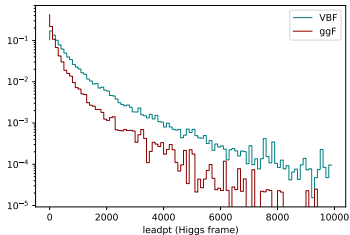
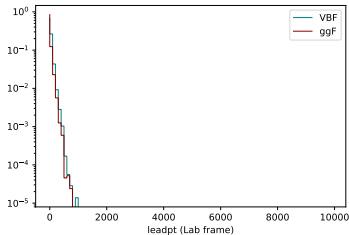
Njets	Events
2	55.5%
3	27.4%
4	11.2%
5+	5.9%

Single variables by frame

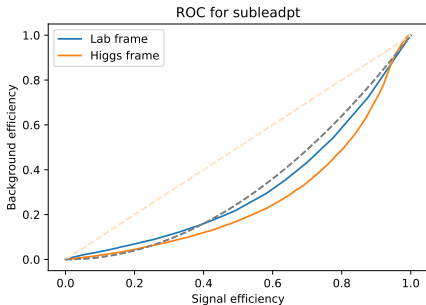
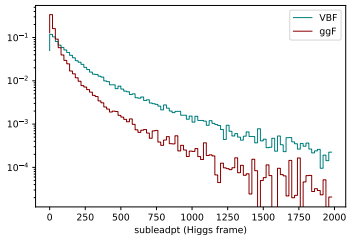
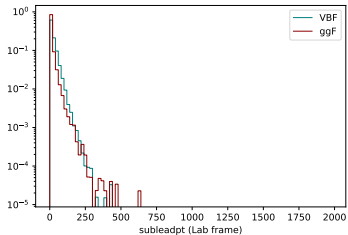
$\Delta\eta$ by frame



Leading p_T by frame

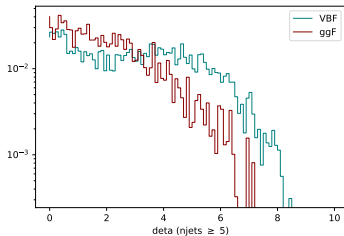
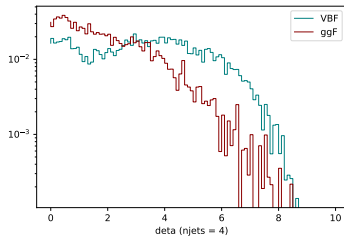
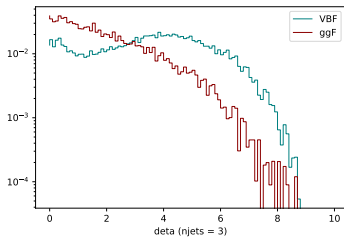
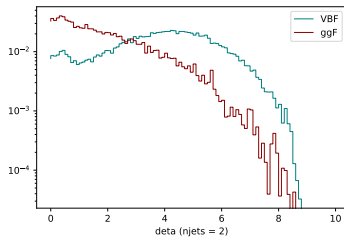


Subleading p_T by frame

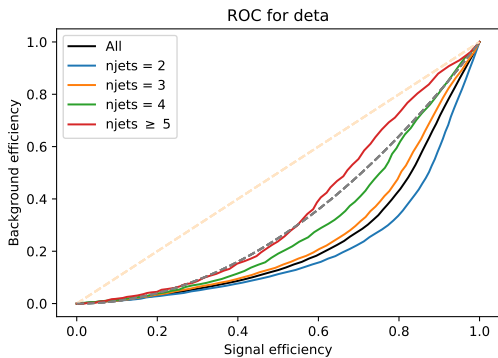


Single variables by njets

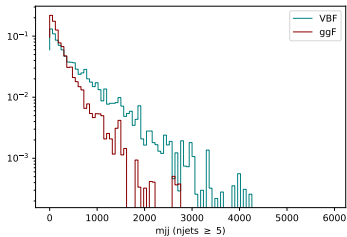
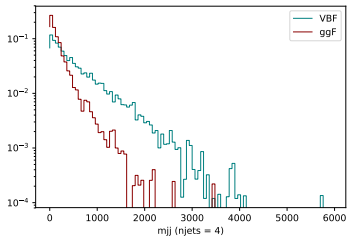
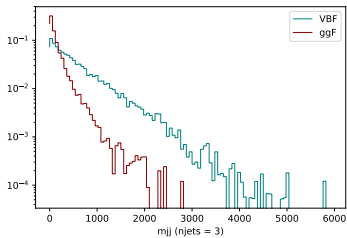
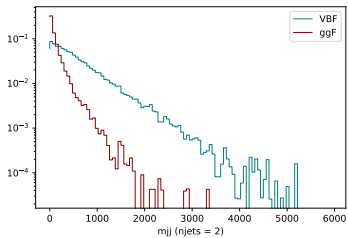
$\Delta\eta$ by njets



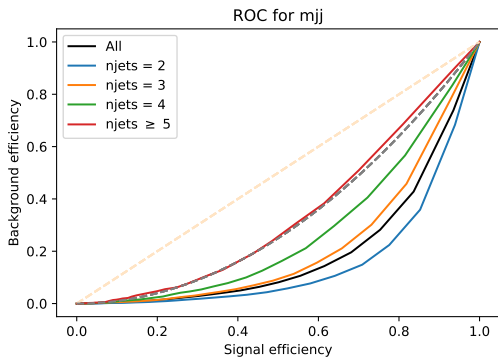
$\Delta\eta$ by njets: ROC



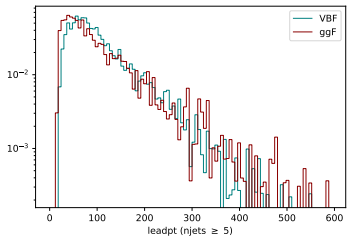
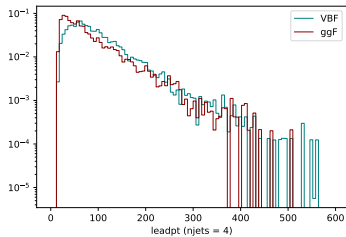
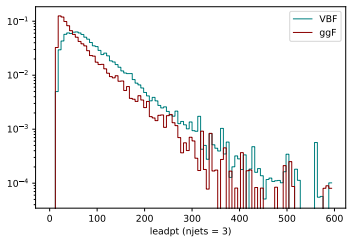
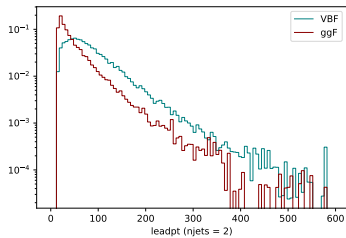
M_{jj} by njets



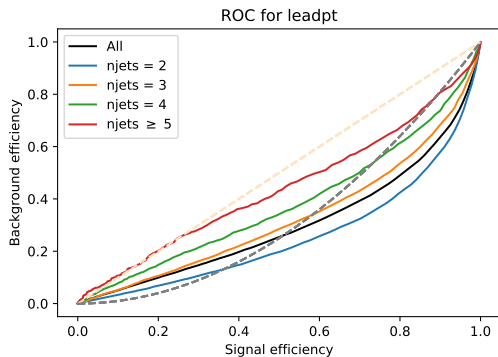
M_{jj} by njets: ROC



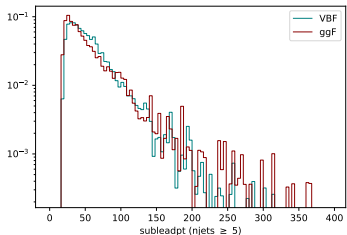
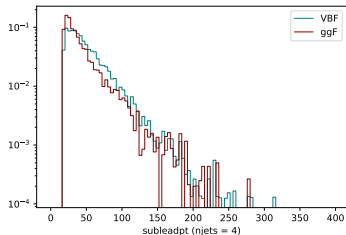
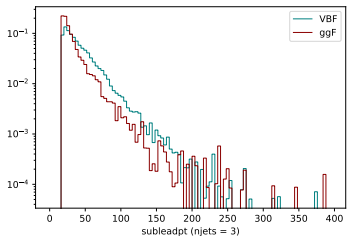
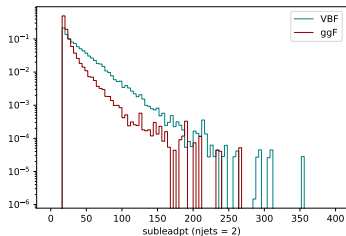
Leading p_T by njets



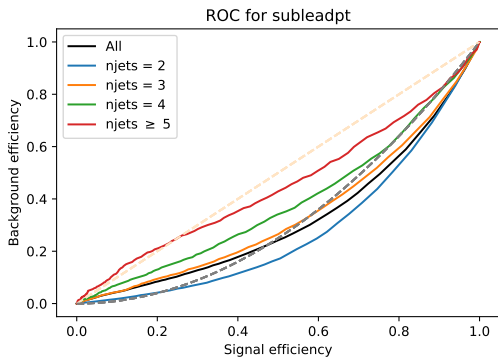
Leading p_T by njets: ROC



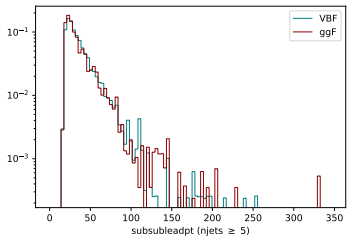
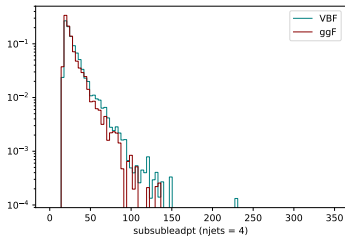
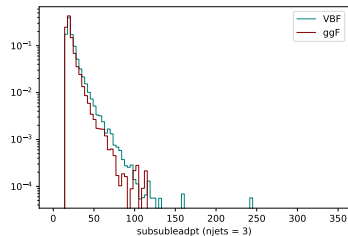
Subleading p_T by njets



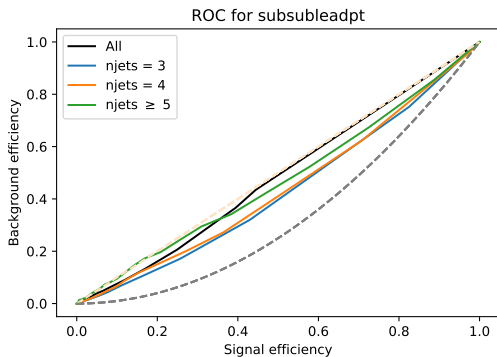
Subleading p_T by njets: ROC



Subsubleading p_T by njets

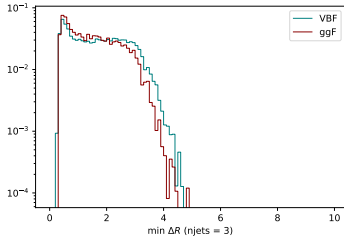
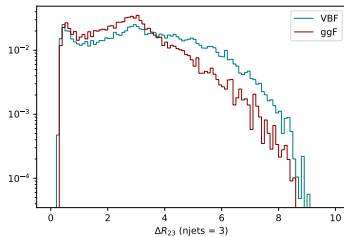
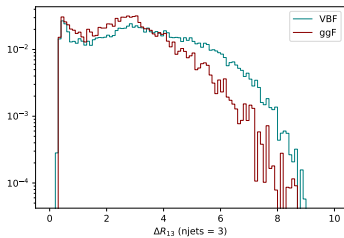
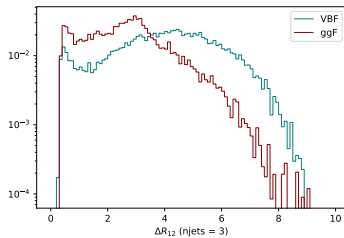


Subsubleading p_T by njets: ROC

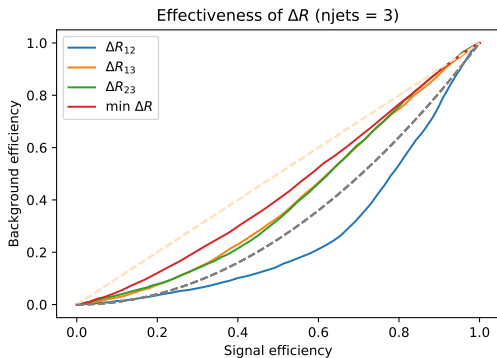


New variables

ΔR variables (njets = 3)



ΔR variables ($n_{\text{jets}} = 3$): ROC



η of third jet ($n_{\text{jets}} = 3$)

