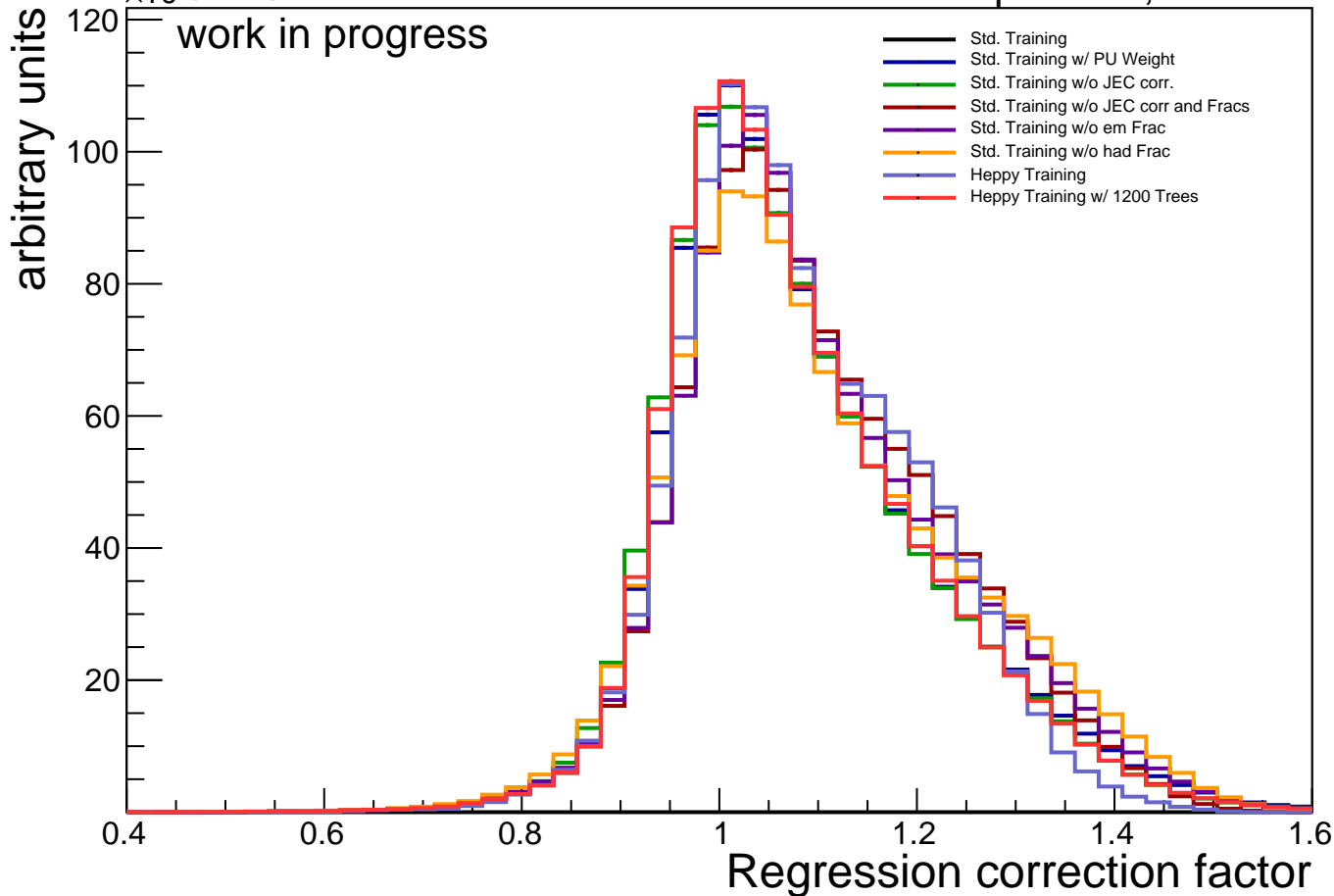


CMS simulation
work in progress

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

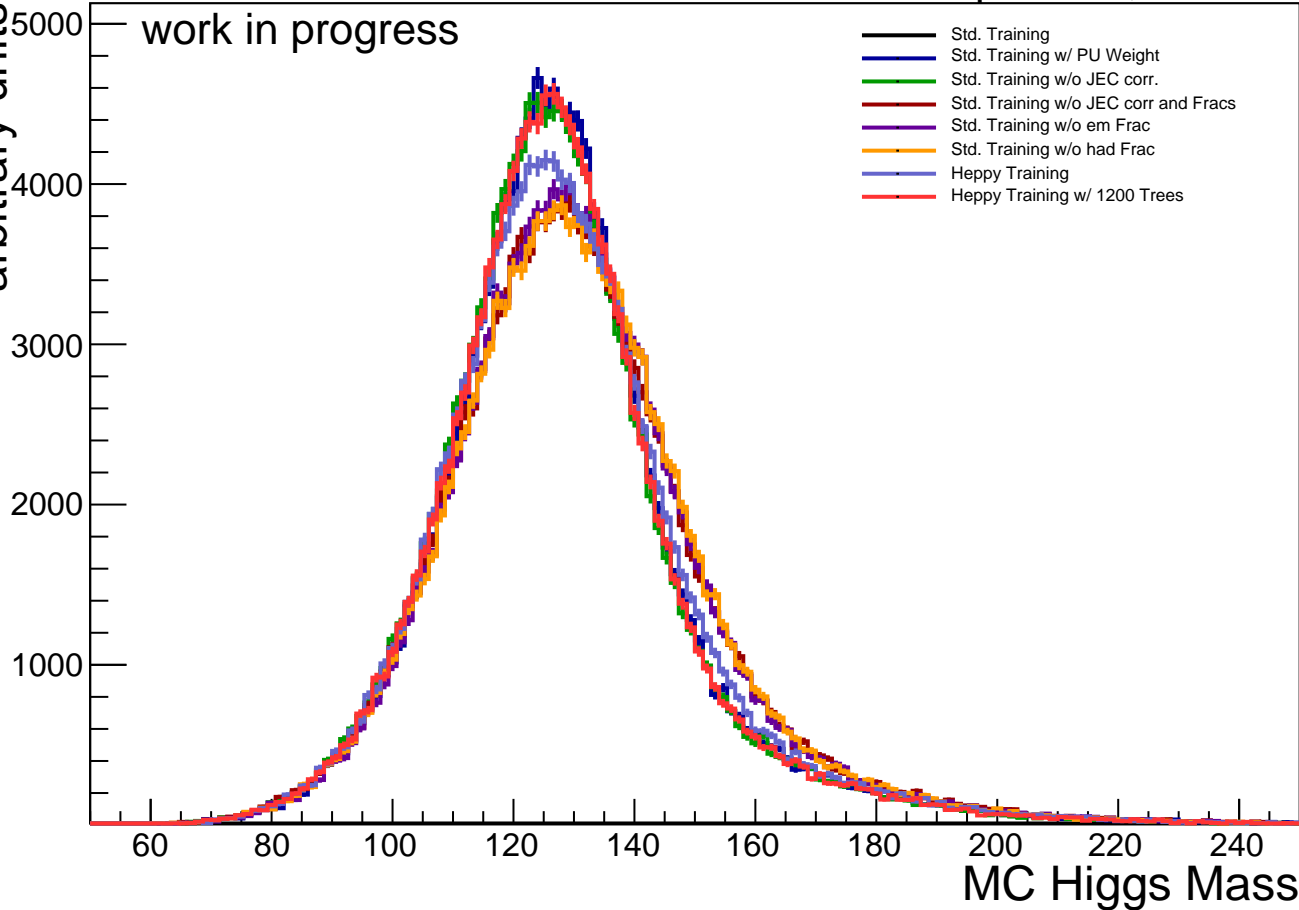


CMS *simulation*

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

work in progress

arbitrary units

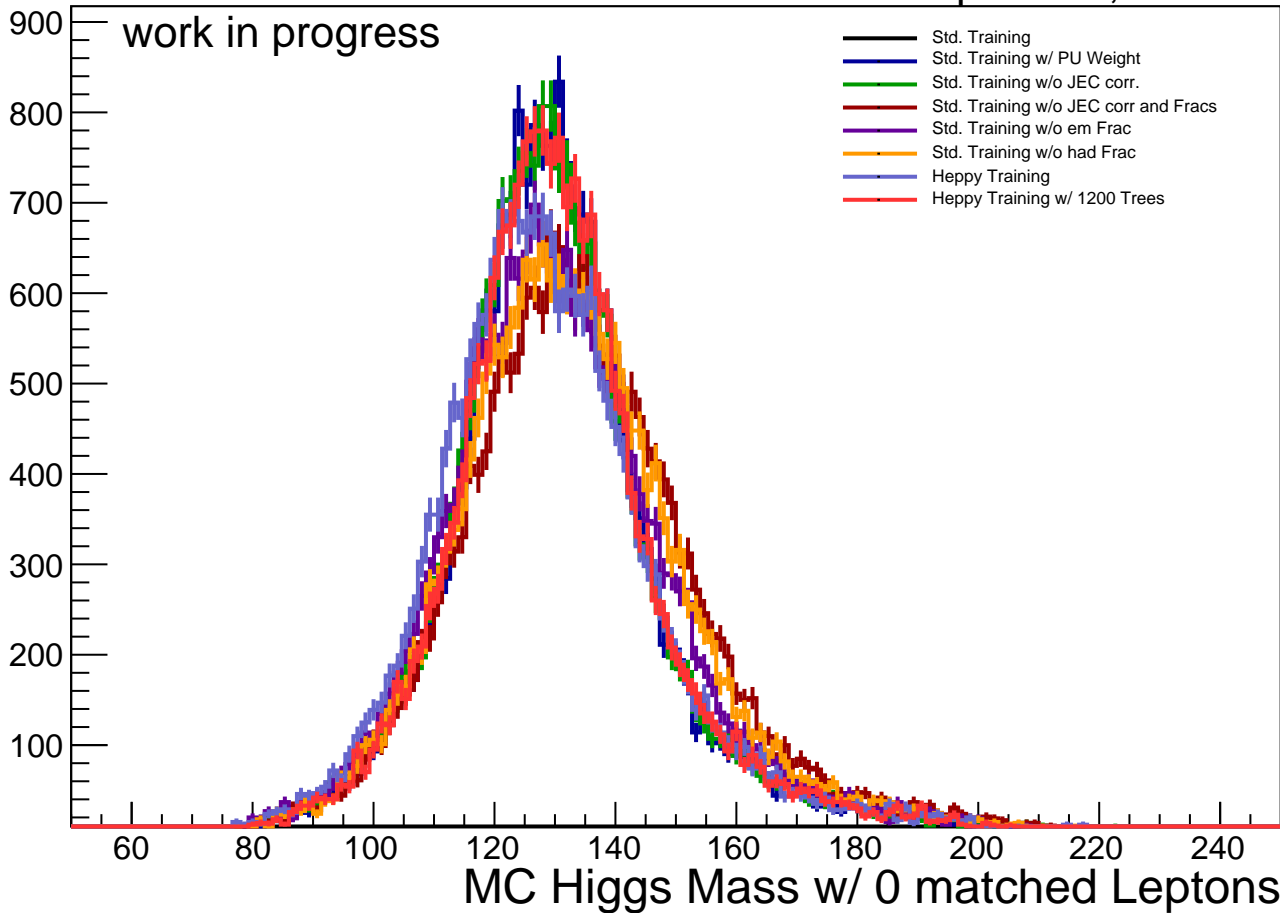


CMS *simulation*

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

work in progress

arbitrary units



CMS *simulation*

work in progress

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

arbitrary units

250

200

150

100

50

60

80

100

120

140

160

180

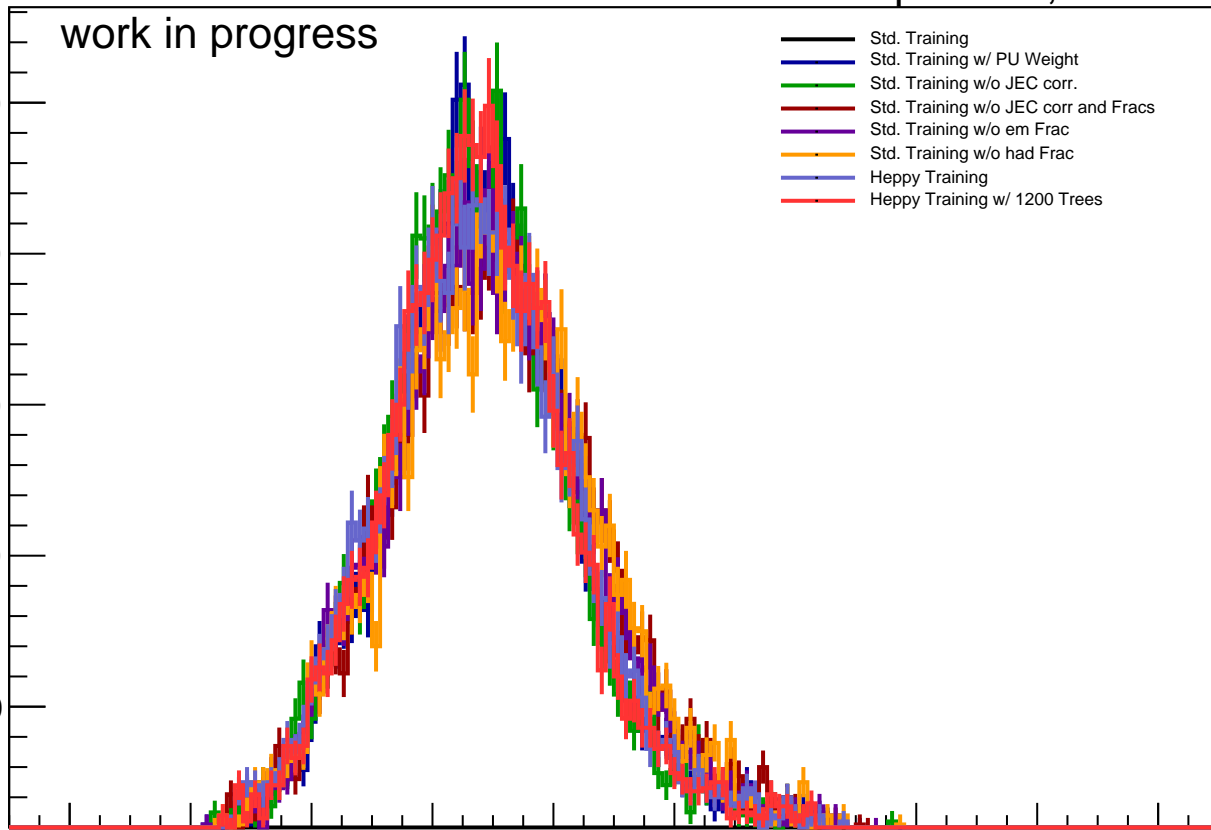
200

220

240

MC Higgs Mass w/ 1 matched Lepton

- Std. Training
- Std. Training w/ PU Weight
- Std. Training w/o JEC corr.
- Std. Training w/o JEC corr and Fracs
- Std. Training w/o em Frac
- Std. Training w/o had Frac
- Heppy Training
- Heppy Training w/ 1200 Trees



CMS *simulation*

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

work in progress

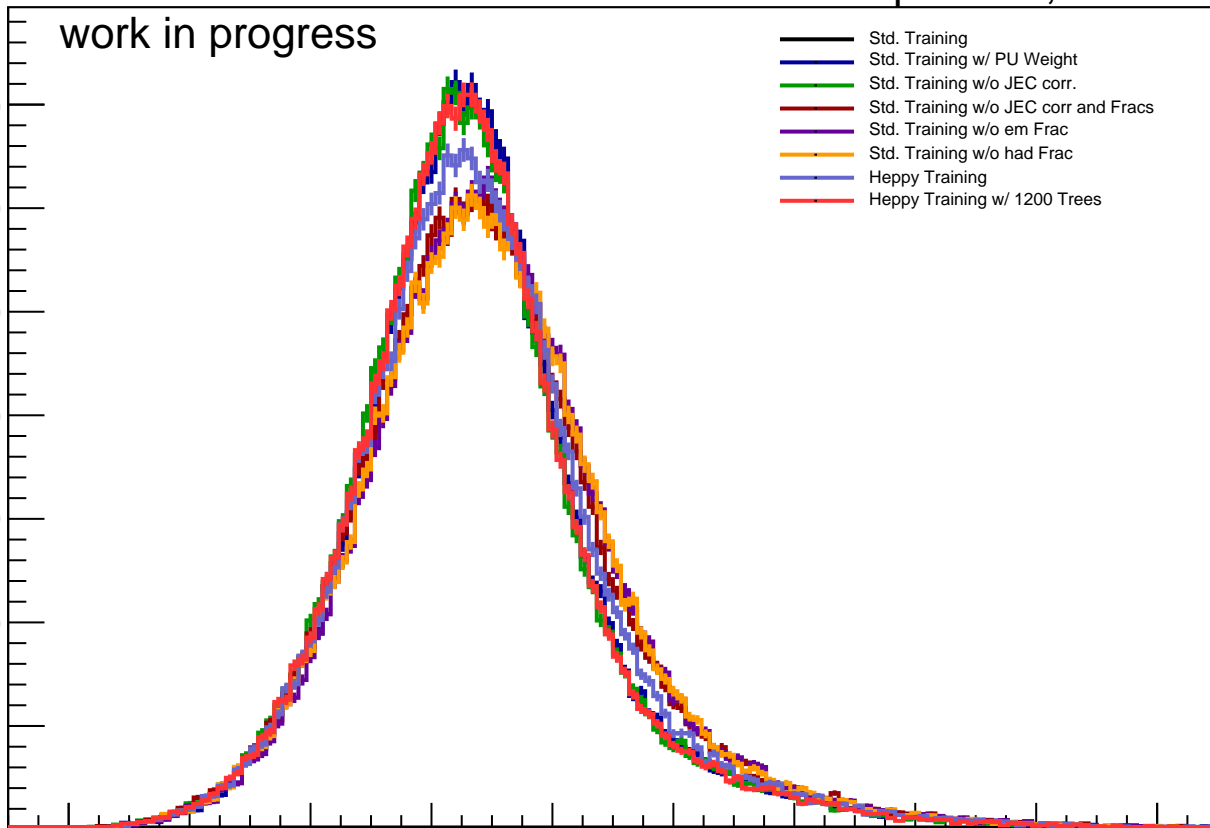
arbitrary units

3500
3000
2500
2000
1500
1000
500

- Std. Training
- Std. Training w/ PU Weight
- Std. Training w/o JEC corr.
- Std. Training w/o JEC corr and Fracs
- Std. Training w/o em Frac
- Std. Training w/o had Frac
- Heppy Training
- Heppy Training w/ 1200 Trees

60 80 100 120 140 160 180 200 220 240

MC Higgs Mass w/ 2 matched Leptons



CMS *simulation*

Sample: $t\bar{t}H$, $H \rightarrow b\bar{b}$

work in progress

Quadratic Deviation Target-Ouput

0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68

- Std. Training
- Std. Training w/ PU Weight
- Std. Training w/o JEC corr.
- Std. Training w/o JEC corr and Fracs
- Std. Training w/o em Frac
- Std. Training w/o had Frac
- Heppy Training
- Heppy Training w/ 1200 Trees

