

Work status

2014.1.7

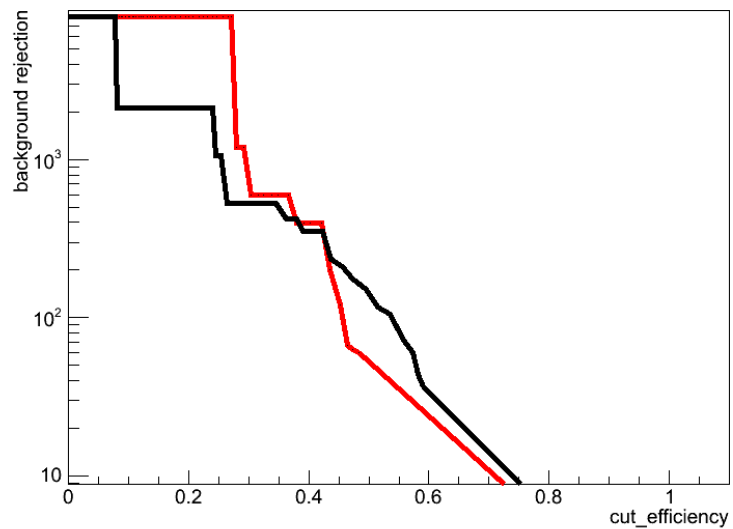
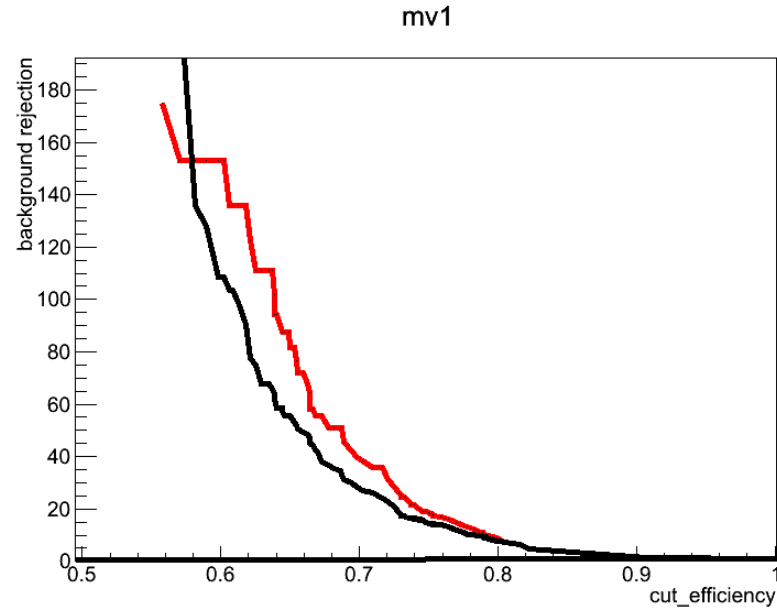
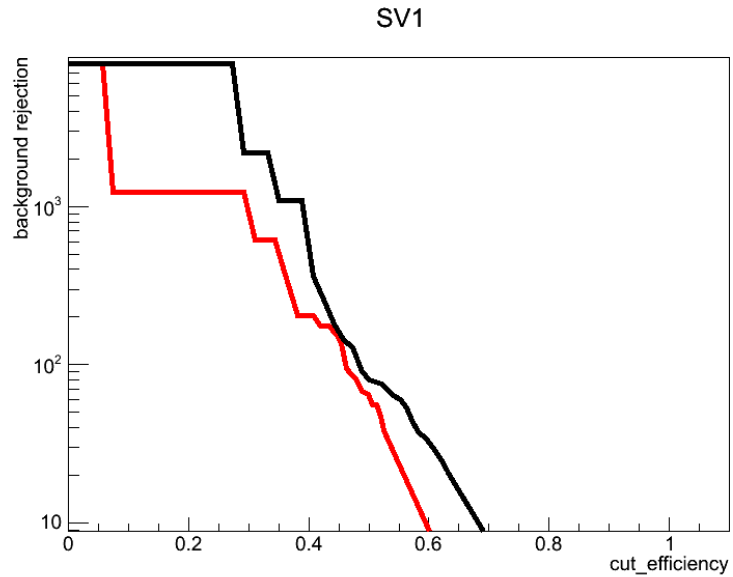
MVA report

► The ex-result is due to some bugs of versions ,ntuple writing and ...

- Loose cut: -0.27
- Tight cut: 0.35
- low category is [-0.27,0.35], vbf significance is 0.135893
- in 5GeV window the total signal is 2.63378, ggF is 1.72338, VBF is 0.735518, ttH is 0.0472661, WH is 0.078576, ZH is 0.0490402
- in 5GeV window fraction of ggF is 0.654336, of VBF is 0.279264, ttH is 0.0179461, WH is 0.029834, ZH is 0.0186197
- in 5GeV window fitted background in 5GeV mass window is 27.3226
- in [105,160] the total signal is 3.17575, ggF is 2.05802, VBF is 0.906191, ttH is 0.056652, WH is 0.0958206, ZH is 0.059055
- in [105,160] fraction of ggF is 0.648043, of VBF is 0.285347
- in [105,160]total fitted background is 273.678
- in [105,160] number of data is 274
- high category is [0.35,1], vbf significance is 0.321749
- in 5GeV window the total signal is 2.14658, ggF is 1.13347, VBF is 0.952679, ttH is 0.0204848, WH is 0.0263862, ZH is 0.013549
- in 5GeV window fraction of ggF is 0.528037, of VBF is 0.443812, ttH is 0.009543, WH is 0.0122922, ZH is 0.00631189
- in 5GeV window fitted background in 5GeV mass window is 7.32183
- in [105,160] the total signal is 2.50554, ggF is 1.30901, VBF is 1.13031, ttH is 0.0232141, WH is 0.0268483, ZH is 0.0161537

B_tagging work

ROC without Charm included in light Jet



ROC with Charm include in light Jet

