Cut efficiencies and optimal cut value Significance Efficiency (Purity) 1 8.0 0.6 0.4 0.2 For 411 signal and 82656 background events the maximum S/VS+B is 6.7943 when cutting at -0.0238 0 -0.2 0.2 **-0.8** -0.6 -0.4 Cut value applied on BDT output