

# Cut efficiencies and optimal cut value

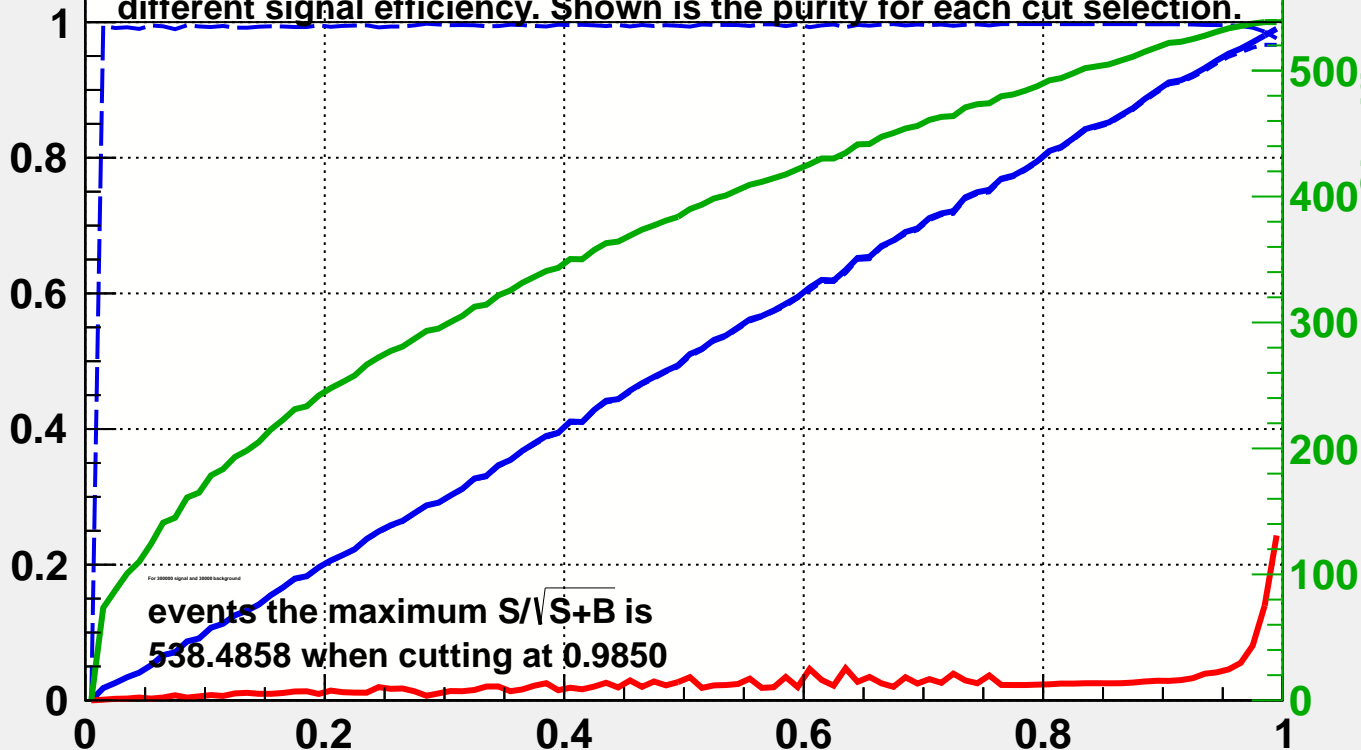
Efficiency (Purity)

— *Signal efficiency*  
— *Background efficiency*

— *Signal purity*  
- - *Signal efficiency\*purity*  
—  $S/\sqrt{S+B}$

Method Cuts provides a bundle of cut selections, each tuned to a different signal efficiency. Shown is the purity for each cut selection.

Significance



Signal Efficiency