

The explanation for following figures



signal



QCD background

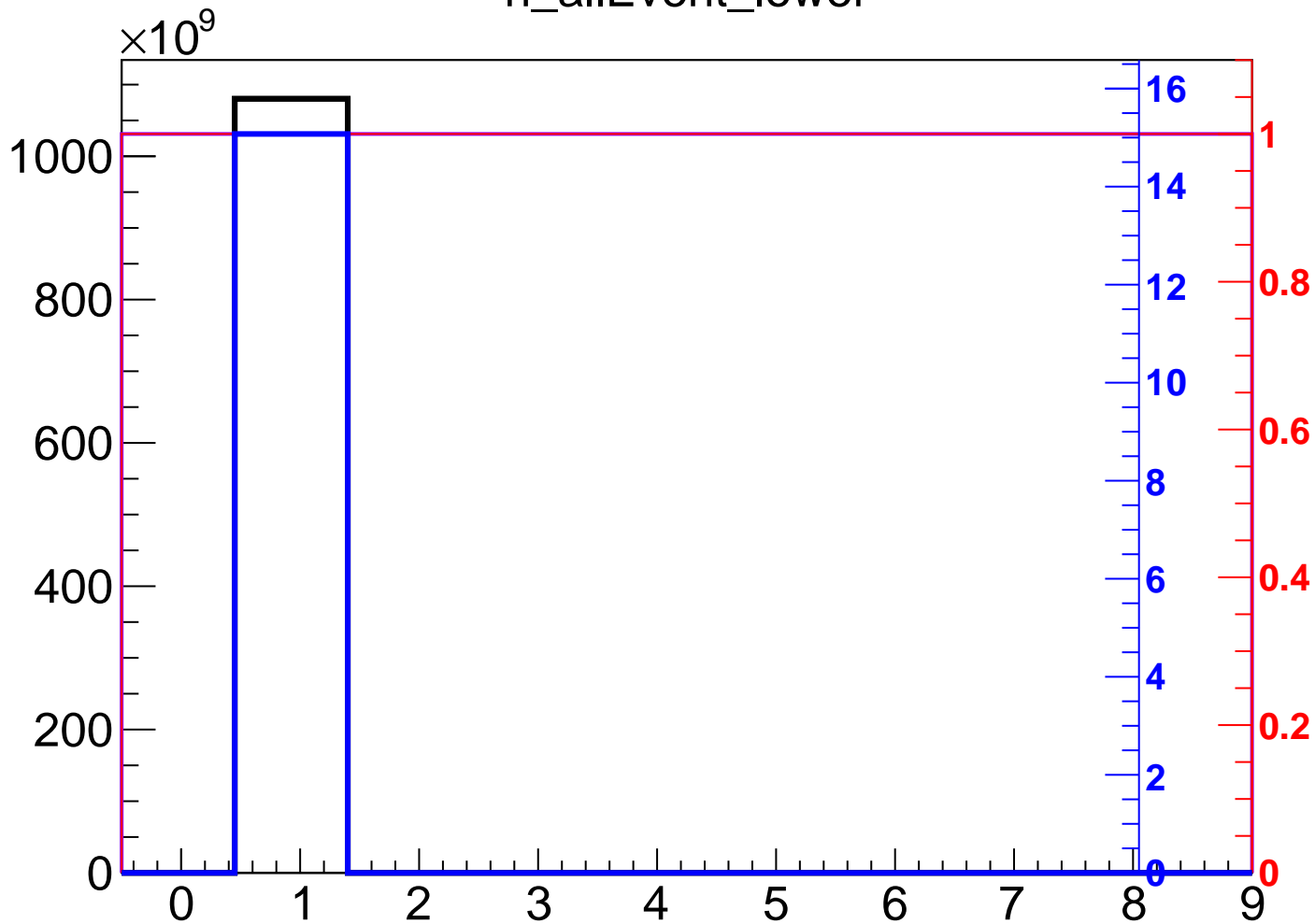


efficiency vary with threshold

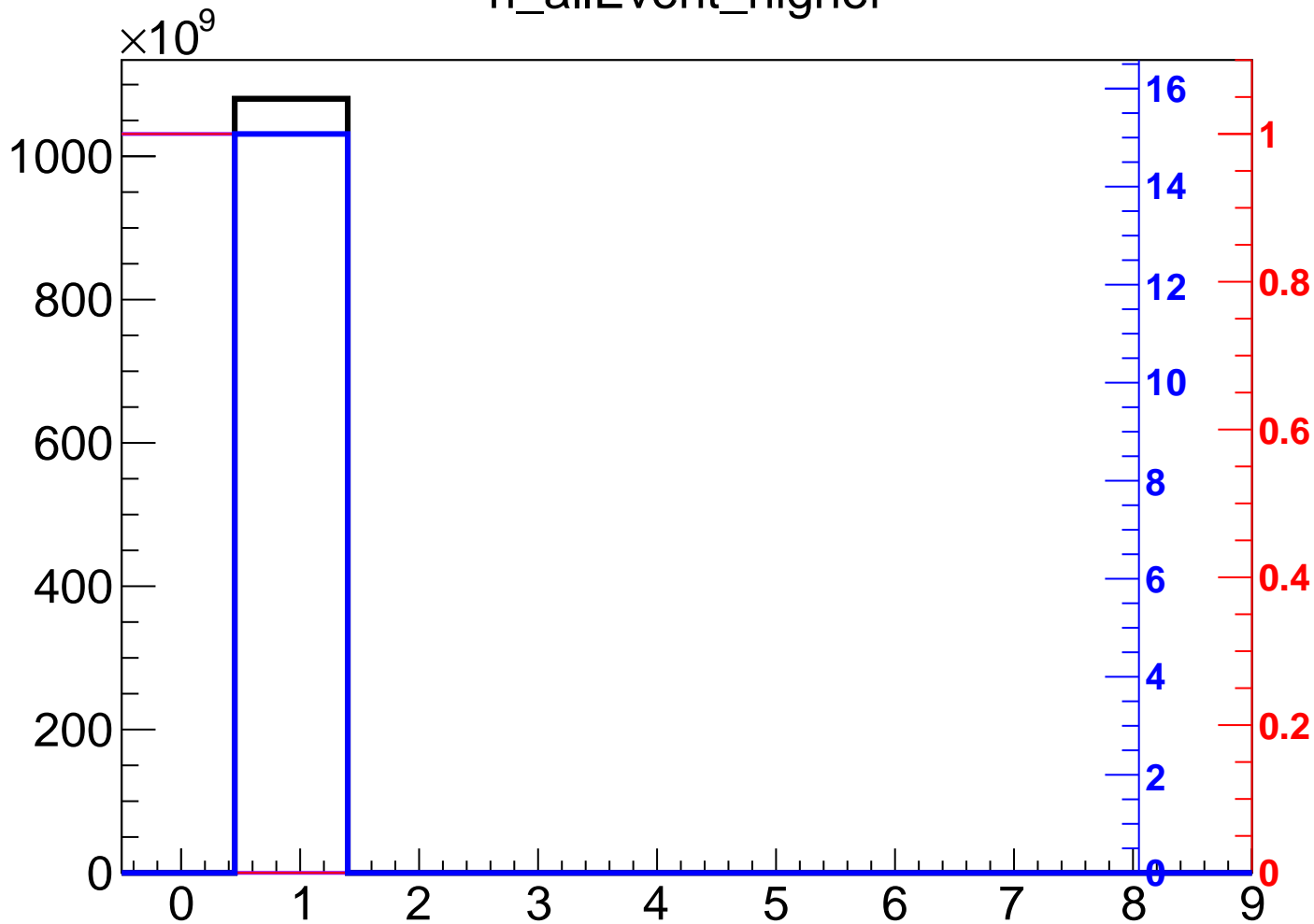


punzi value vary with threshold without axis

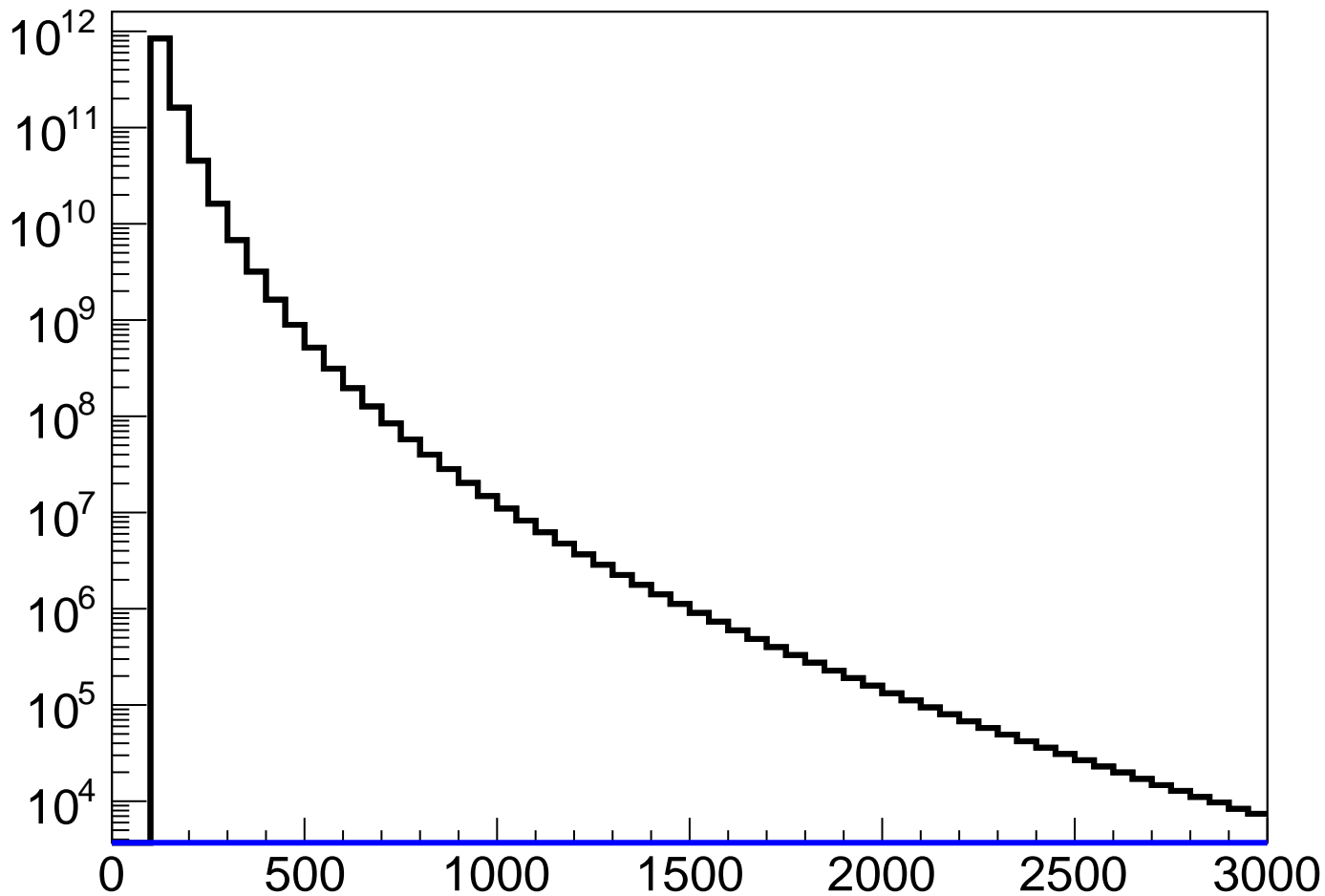
h\_allEvent\_lower



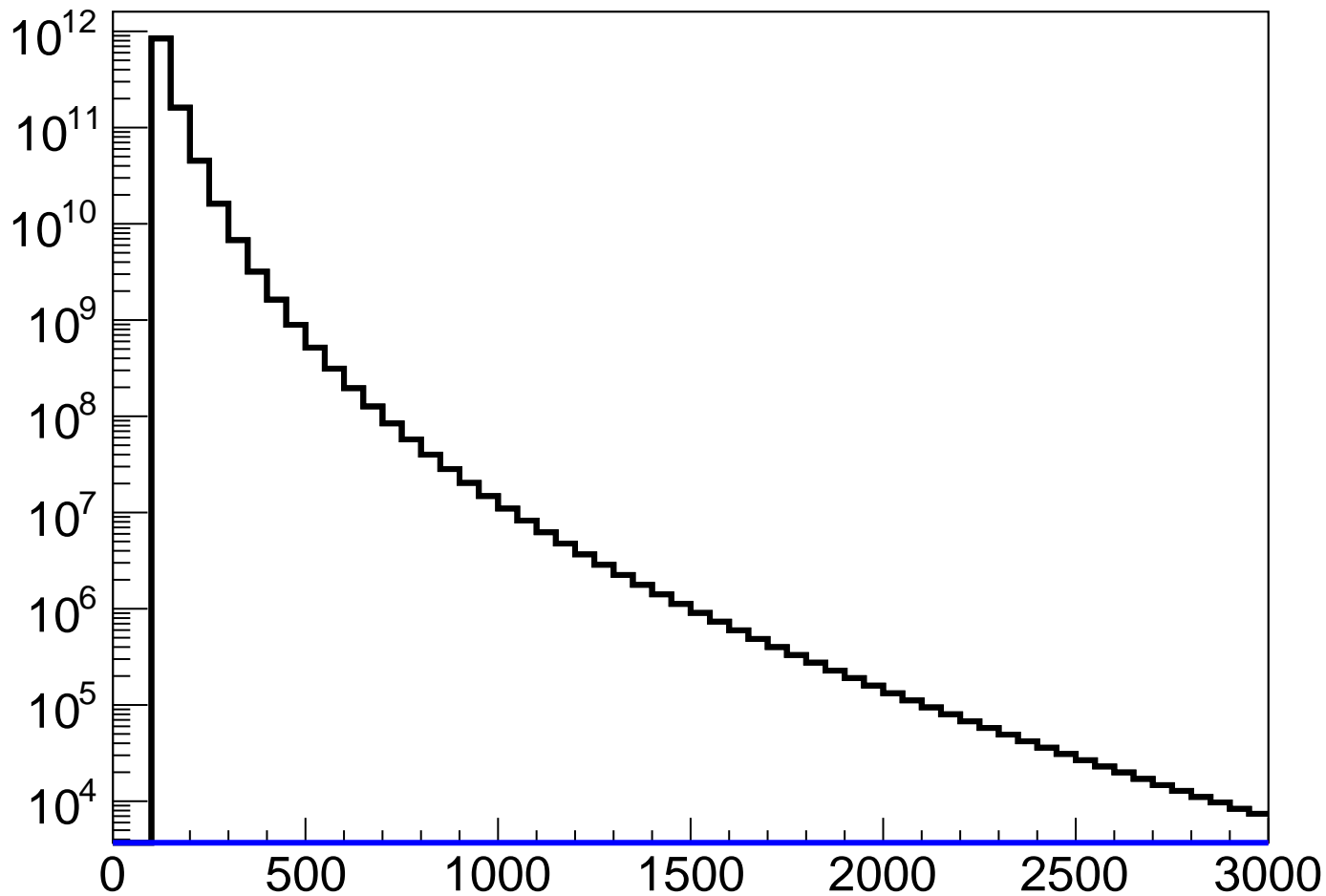
h\_allEvent\_higher



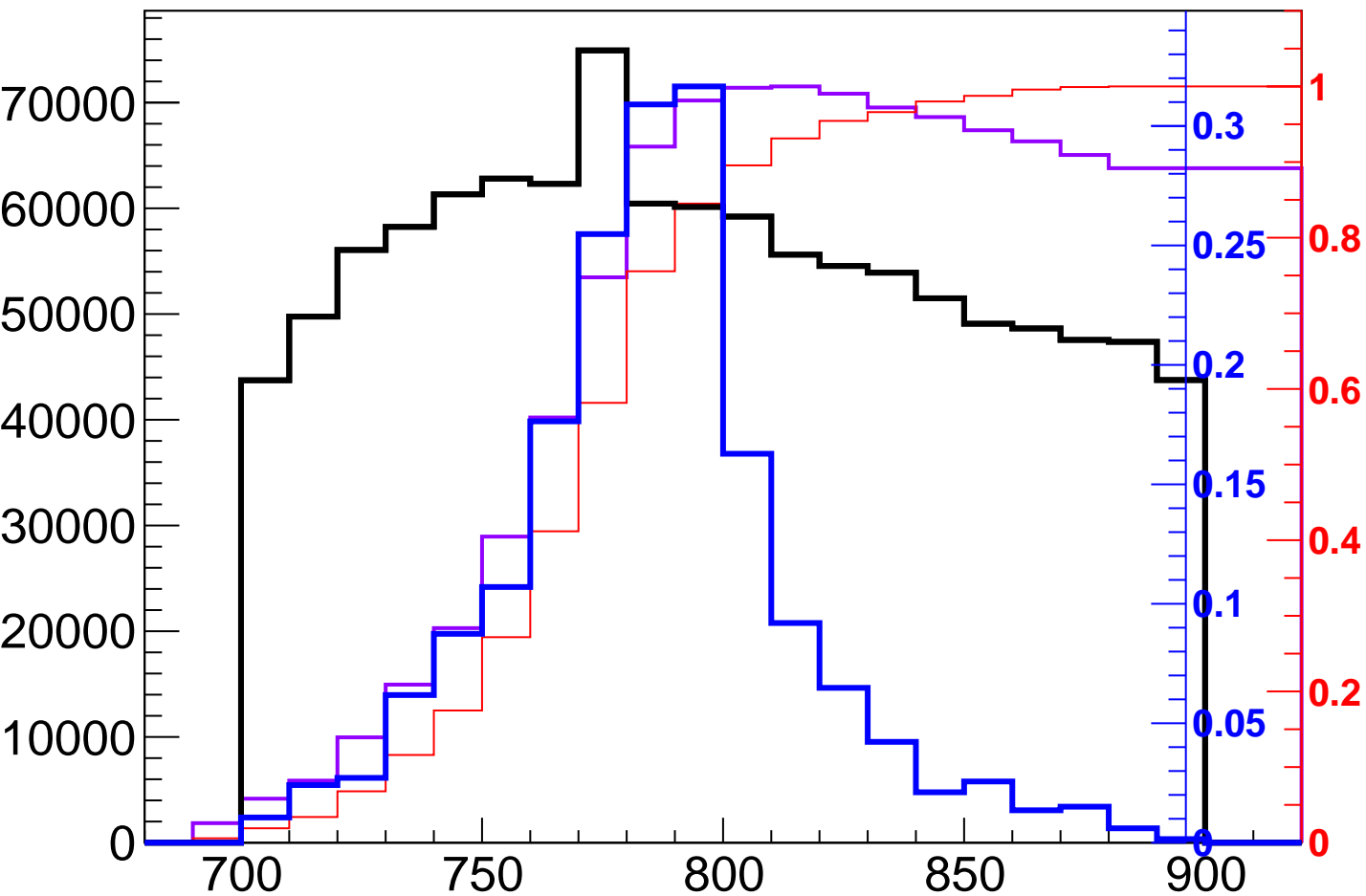
h\_HT\_lower



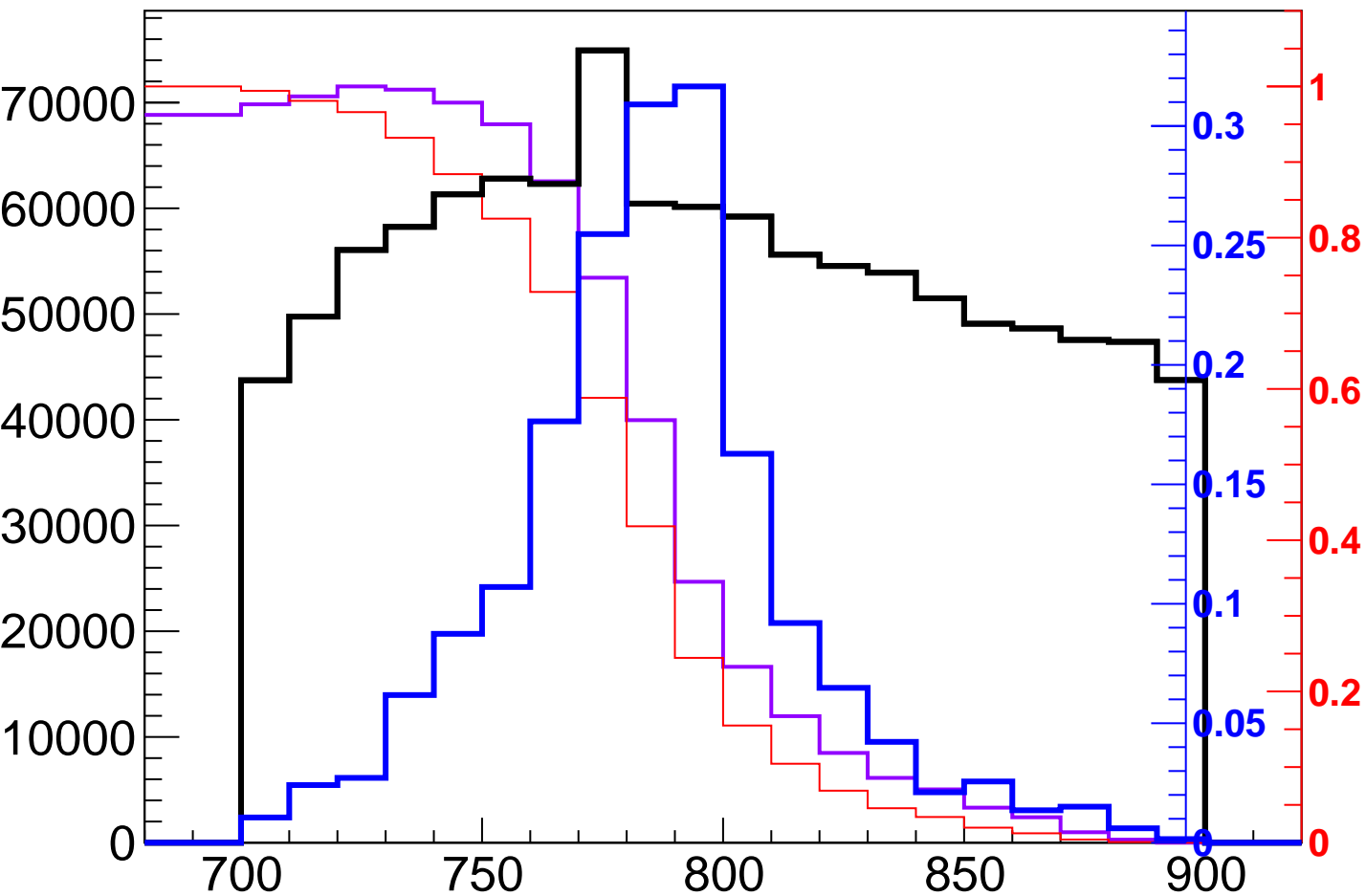
h\_HT\_higher



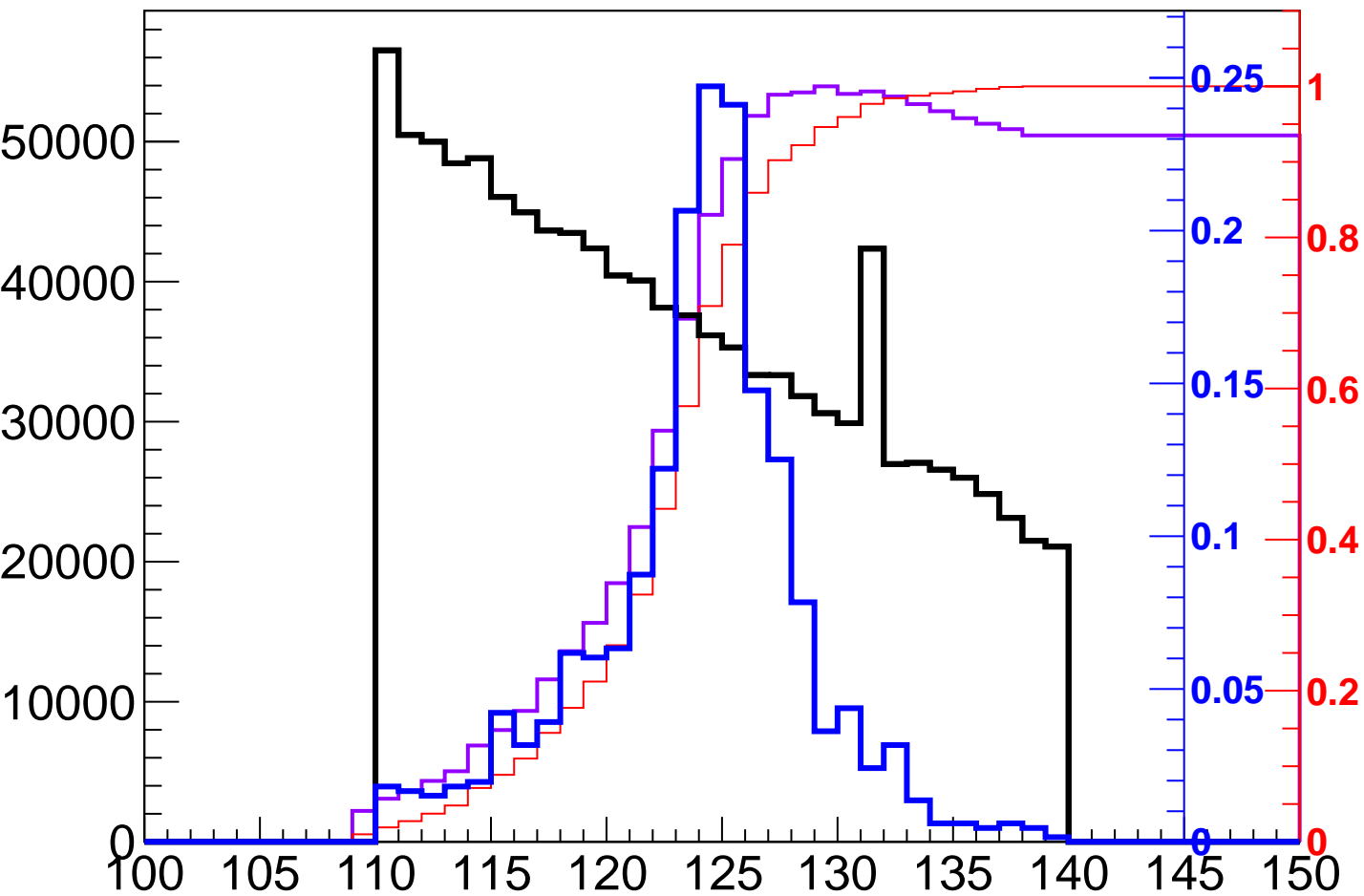
h\_ZpM\_lower



h\_ZpM\_higher

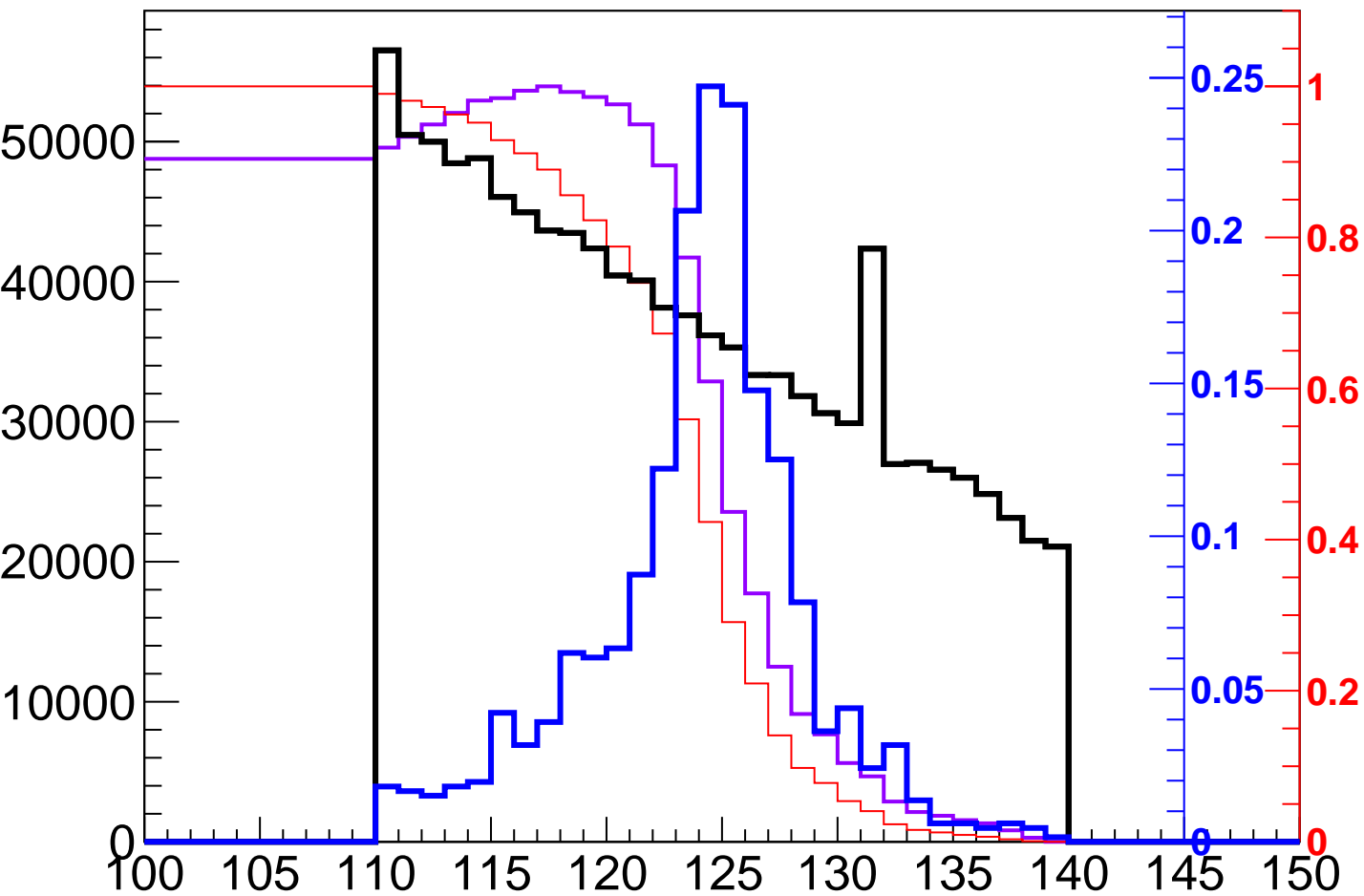


h\_higgsM\_lower

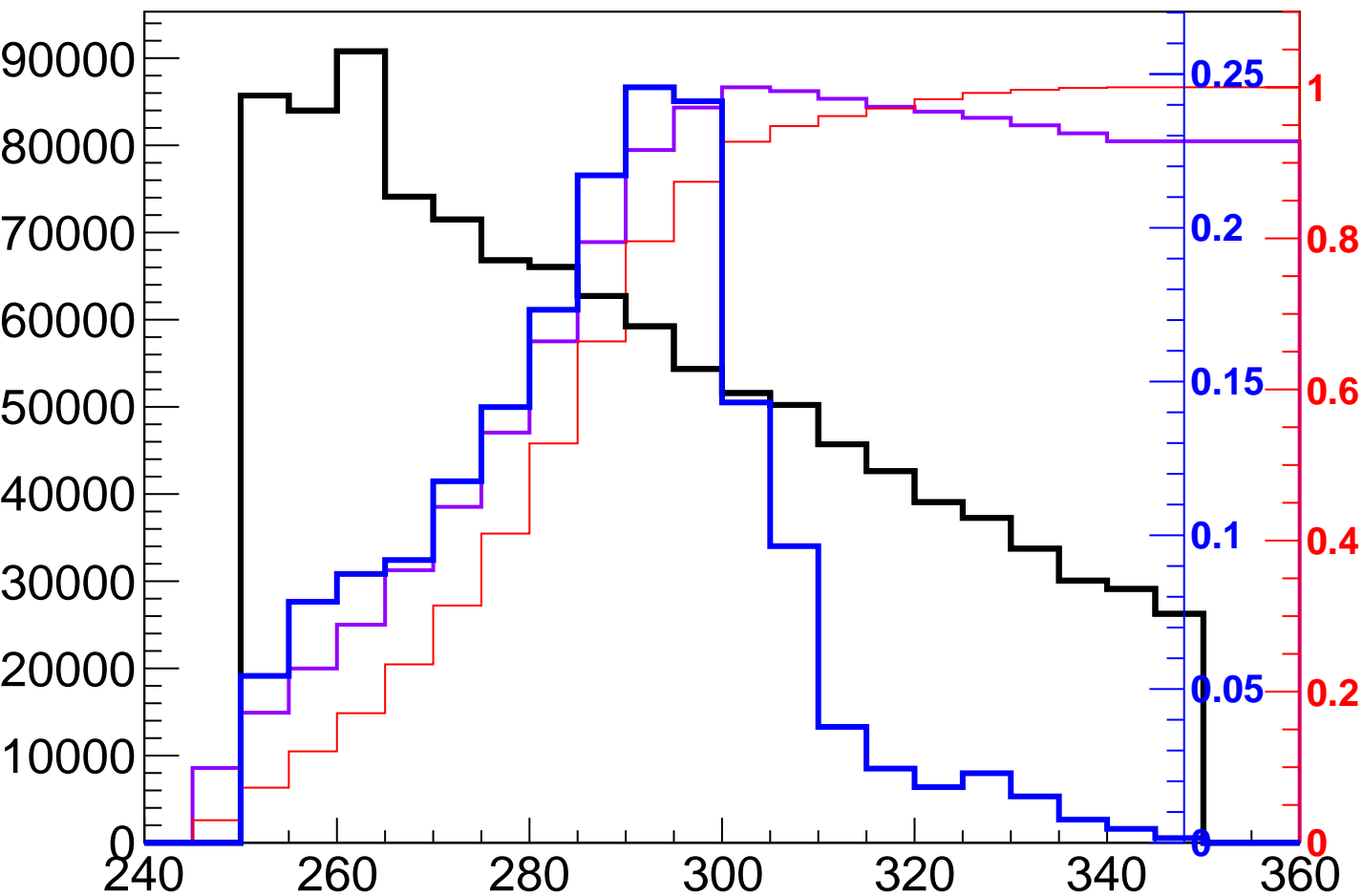




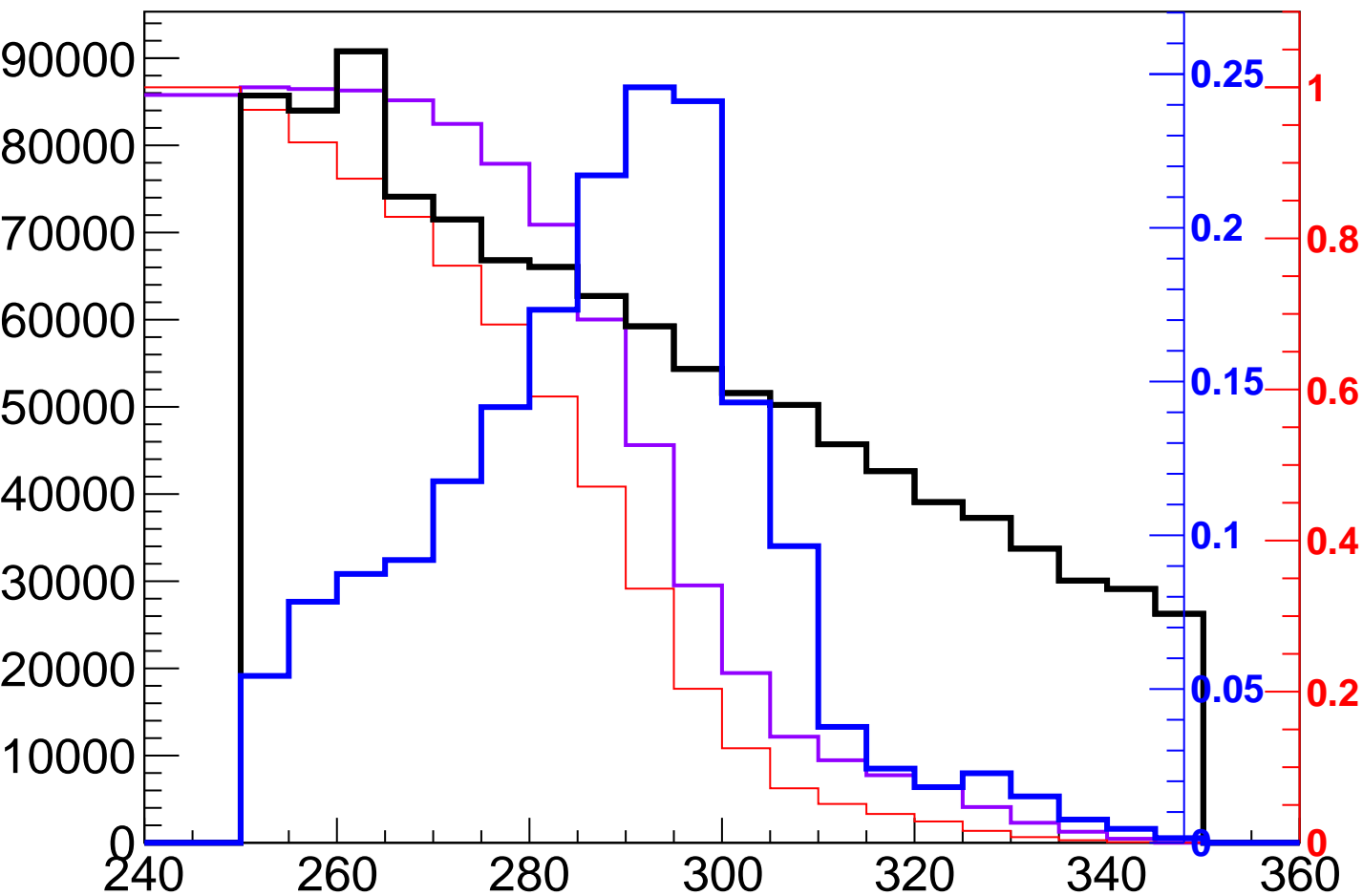
h\_higgsM\_higher



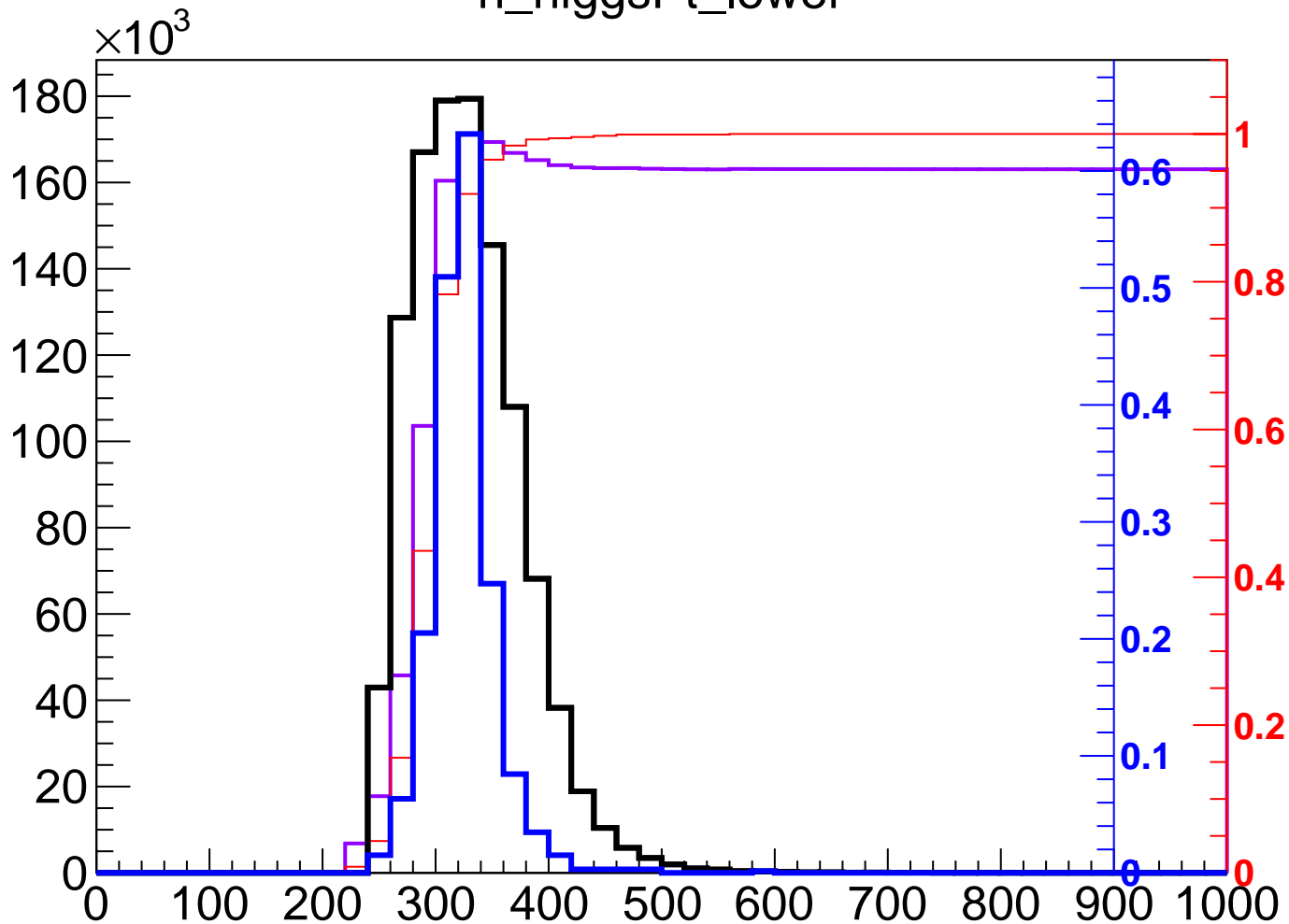
h\_a0M\_lower



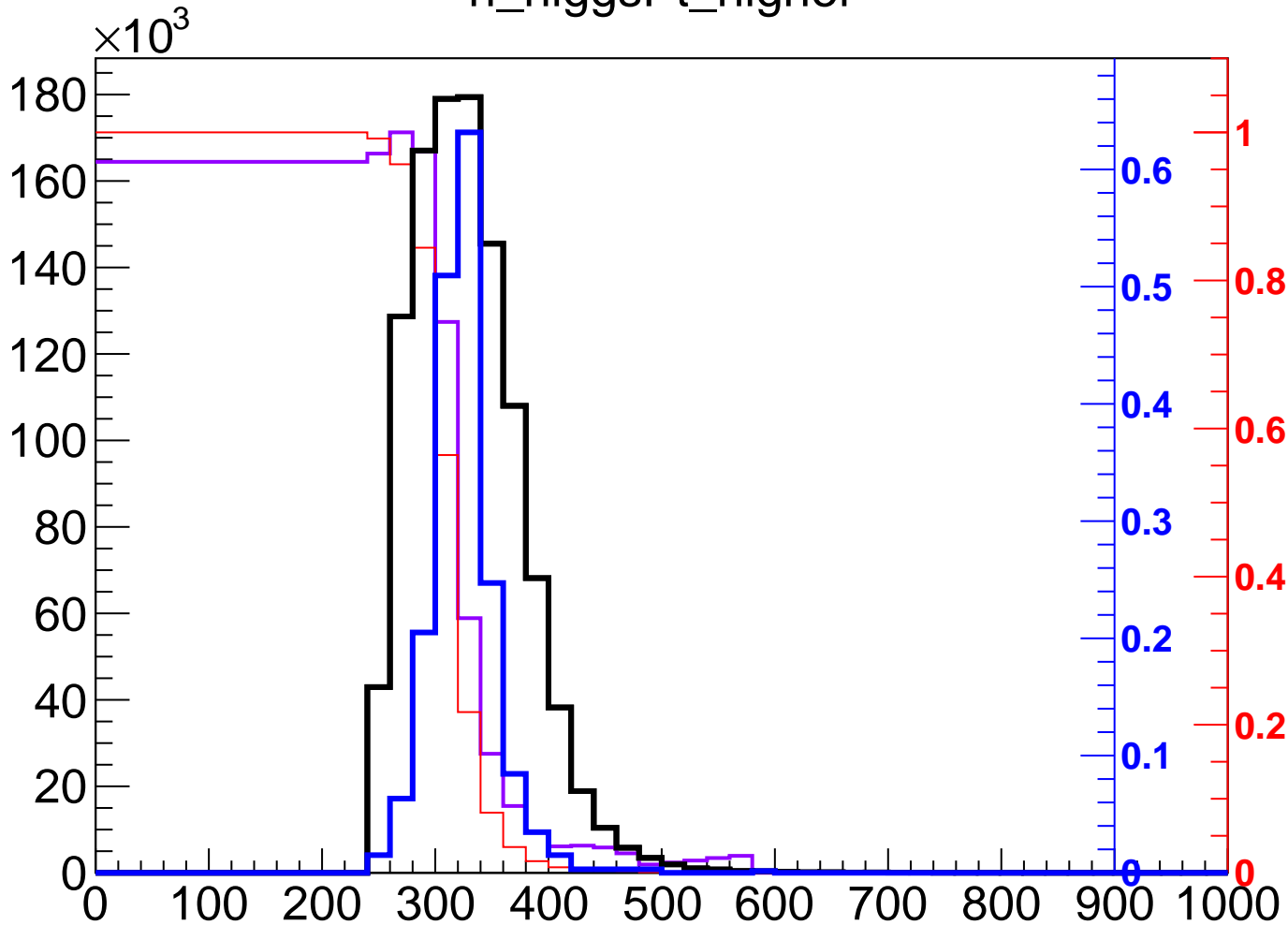
h\_a0M\_higher



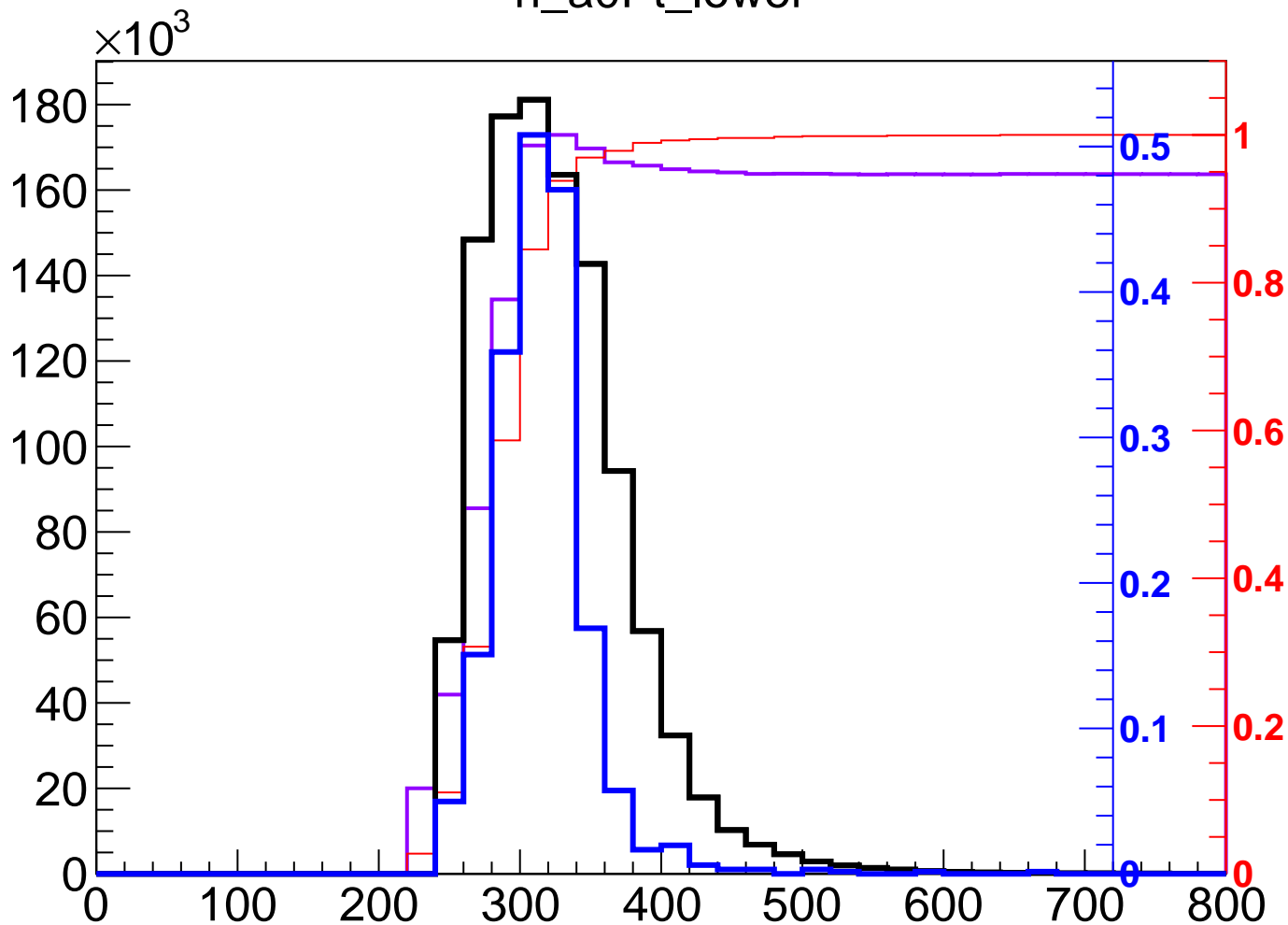
h\_higgsPt\_lower



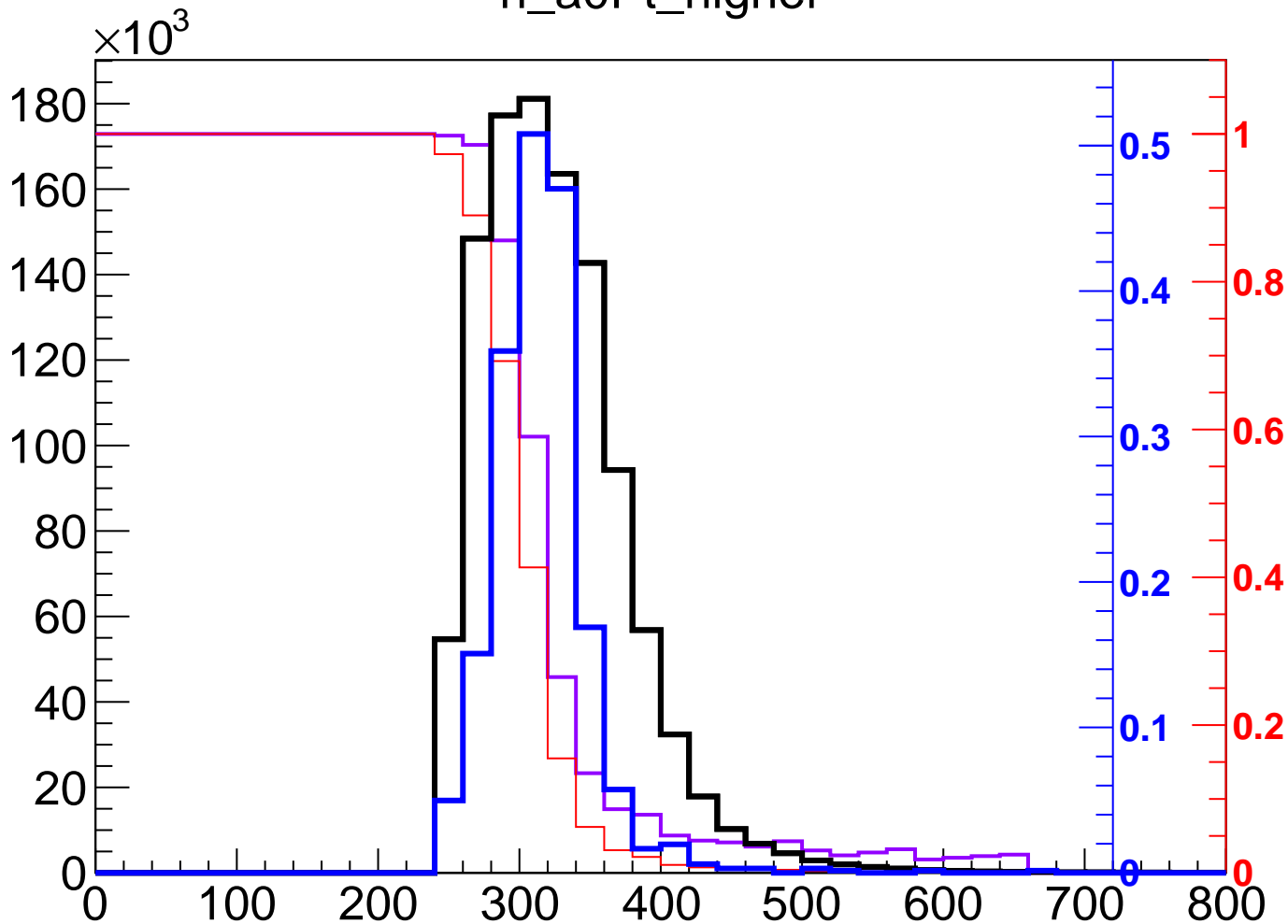
h\_higgsPt\_higher



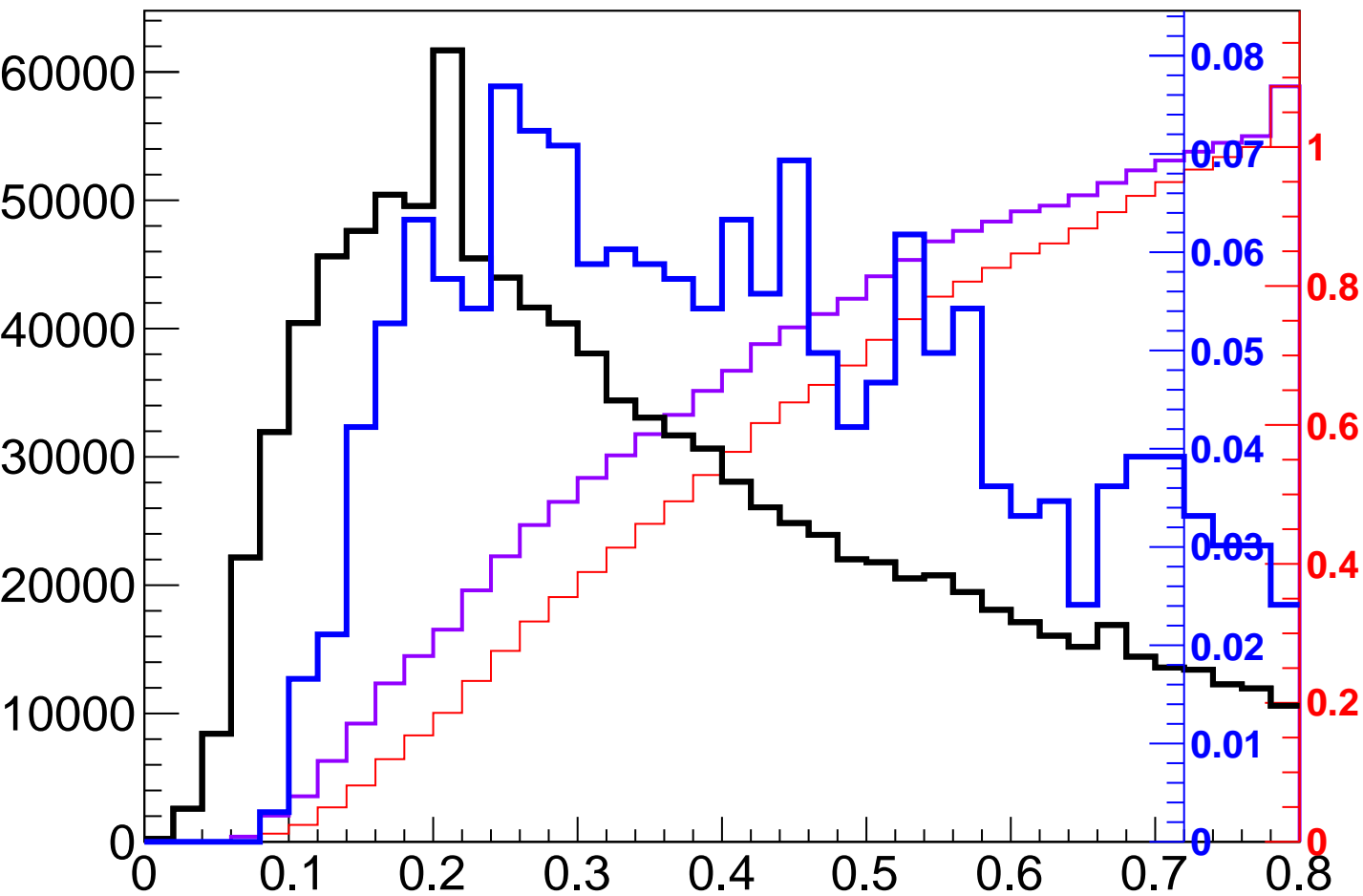
h\_a0Pt\_lower



h\_a0Pt\_higher

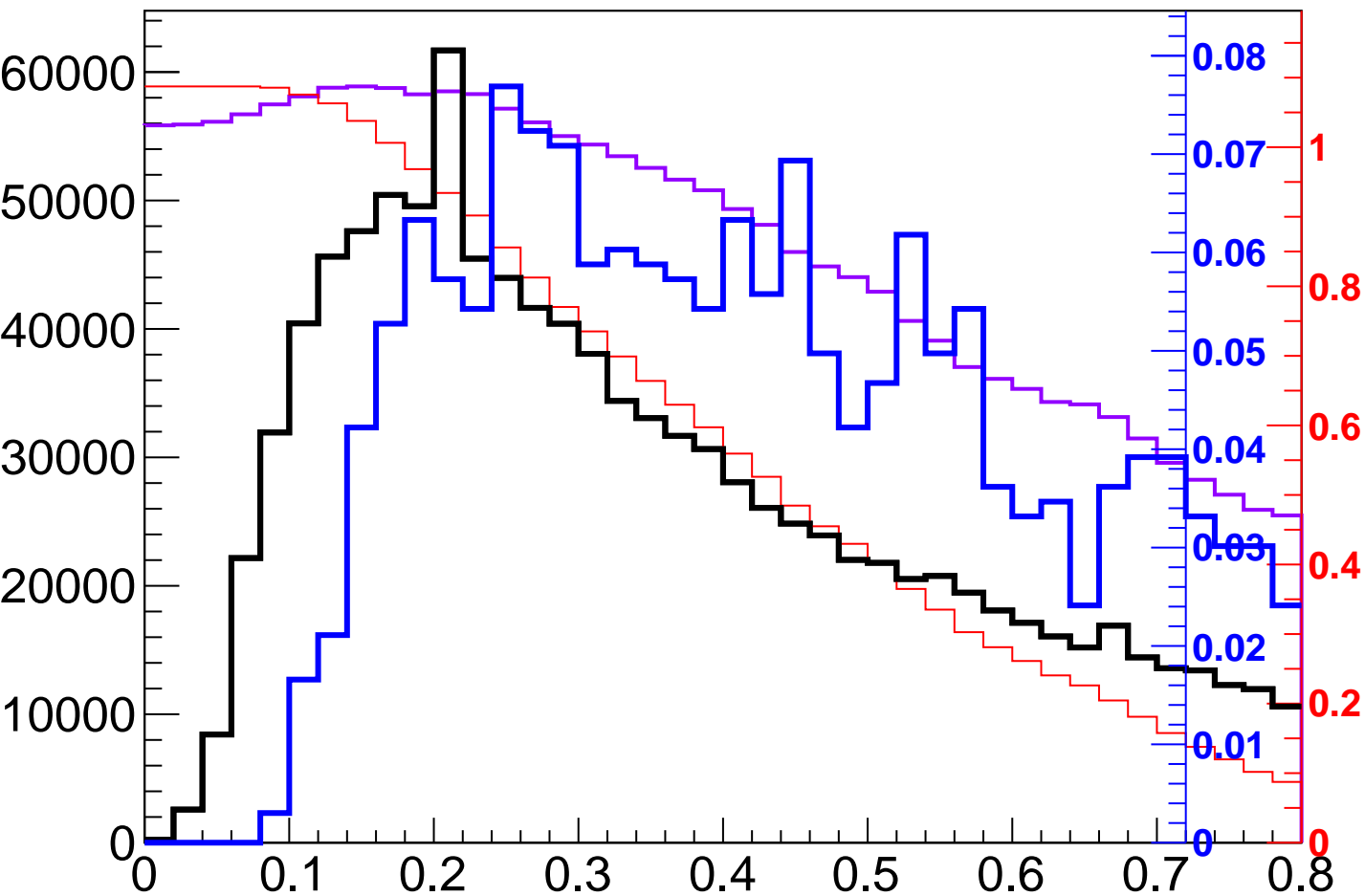


h\_hPtAs\_lower

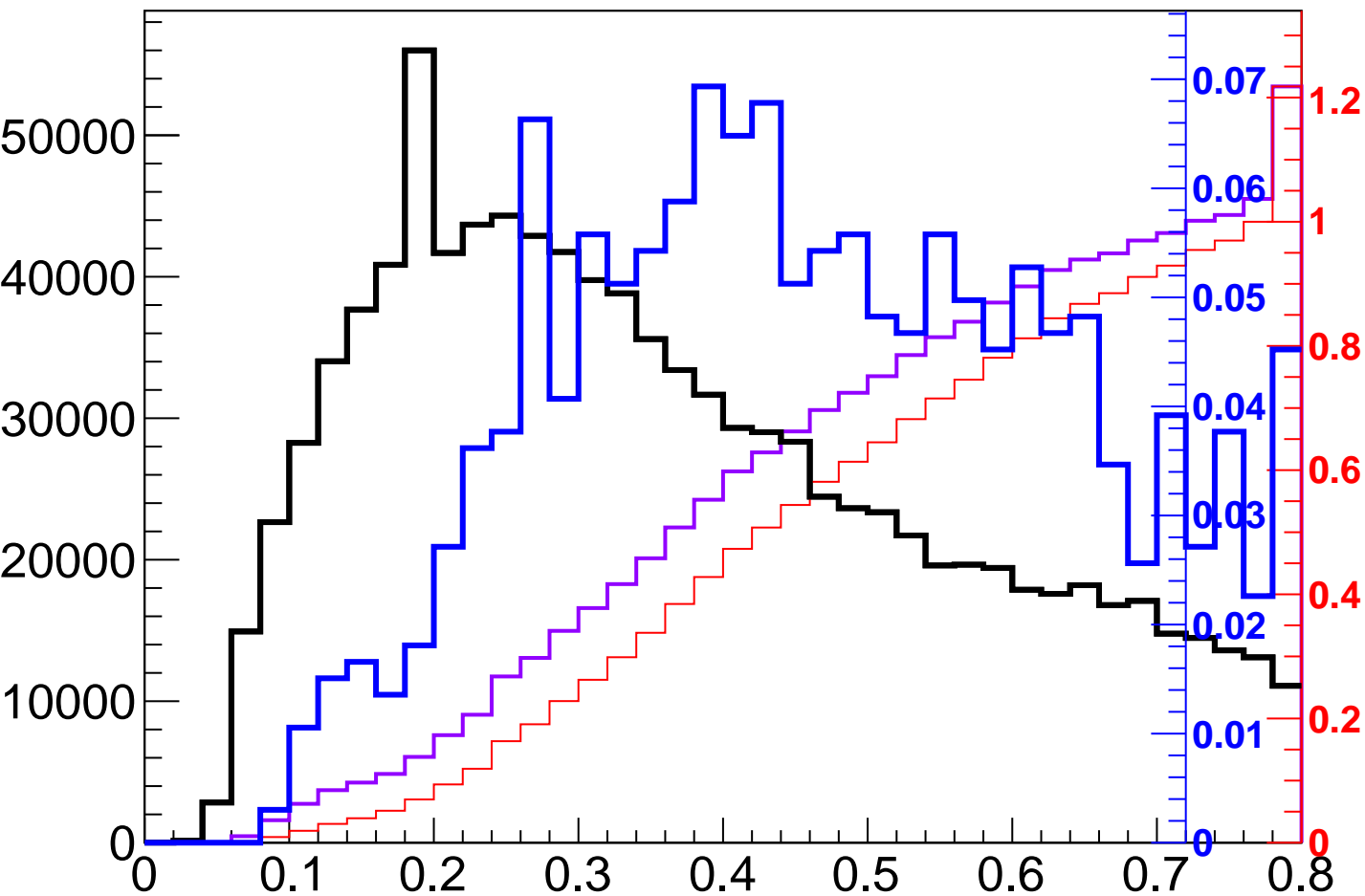




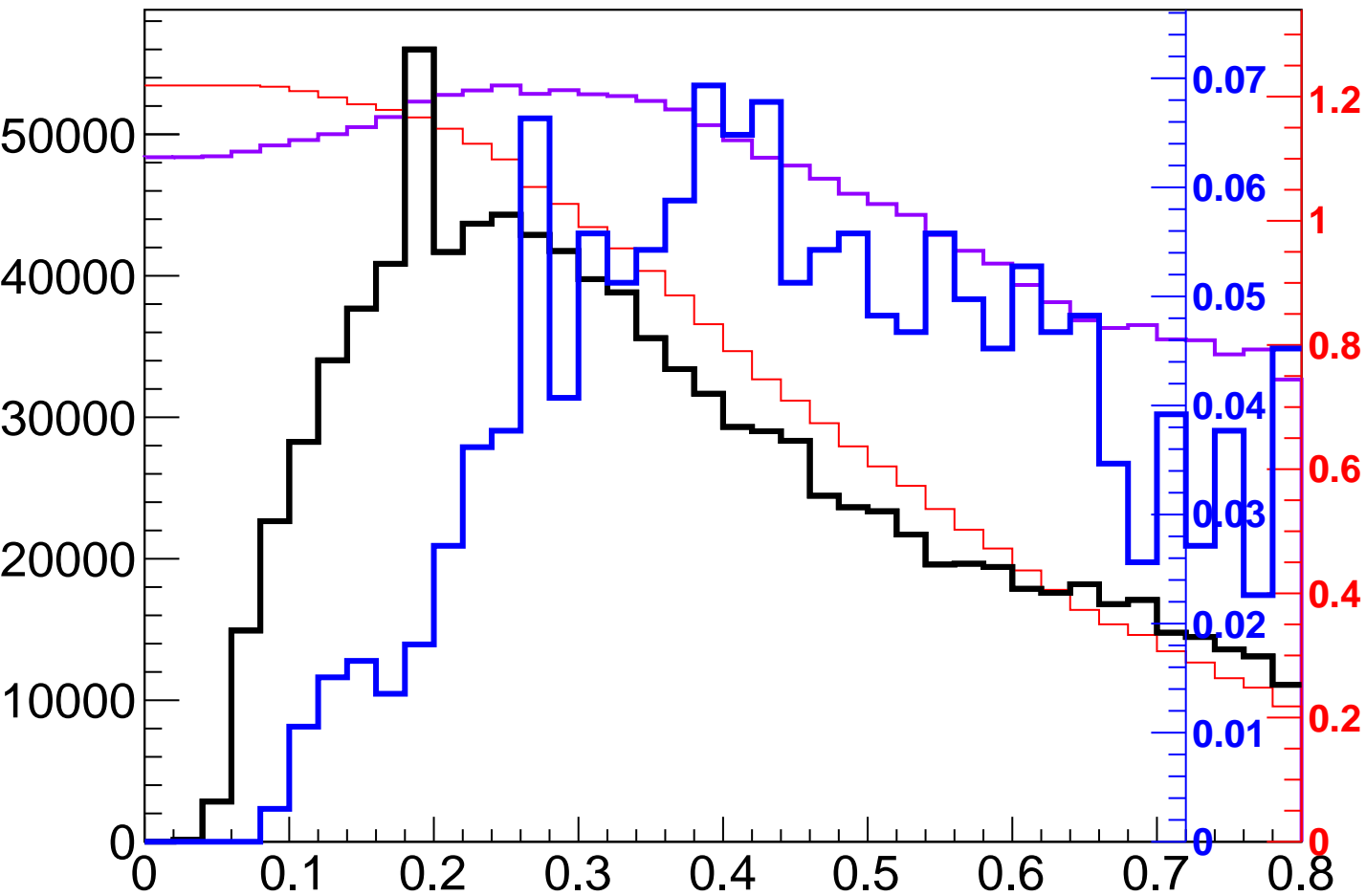
h\_hPtAs\_higher



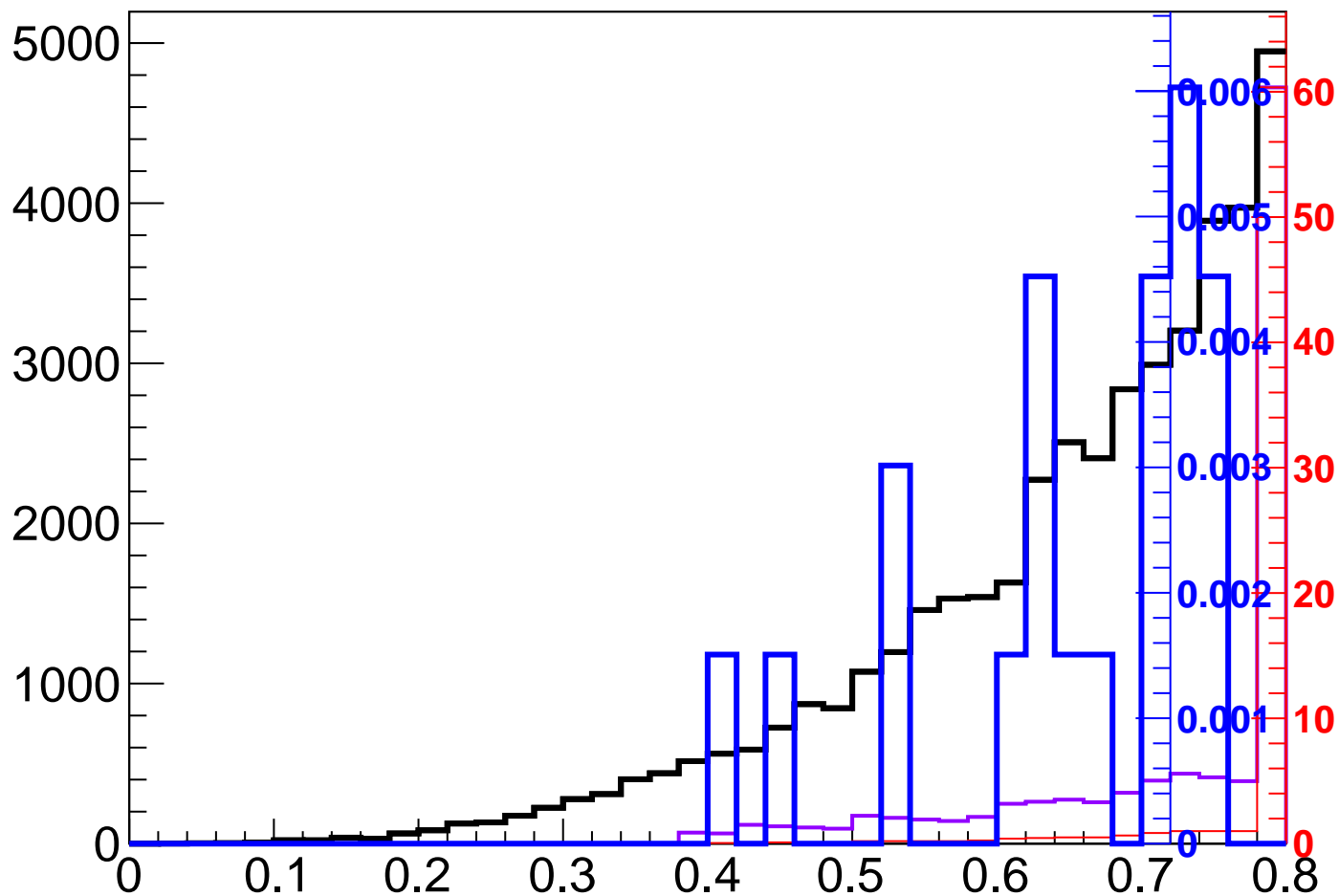
h\_a0PtAs\_lower



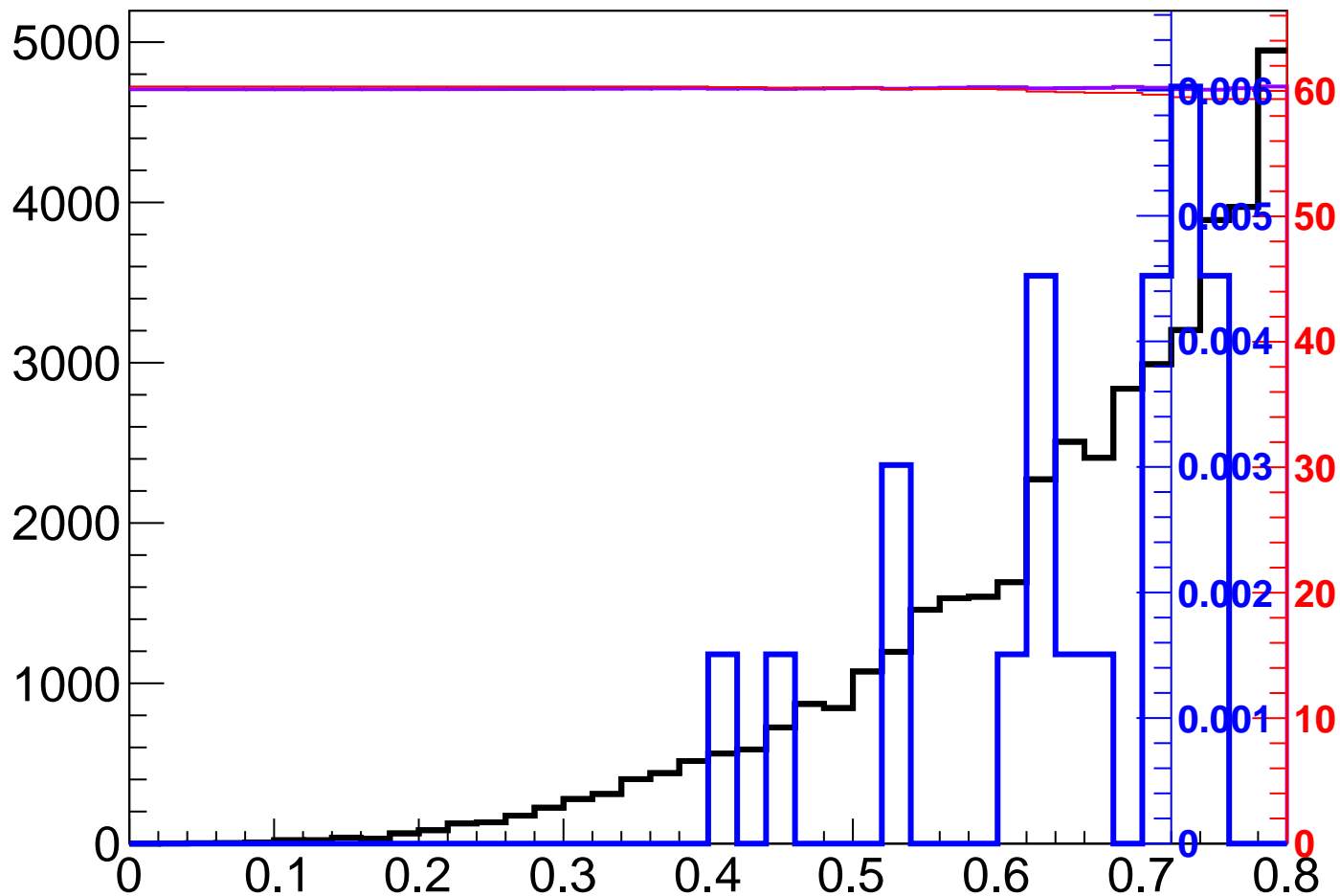
h\_a0PtAs\_higher



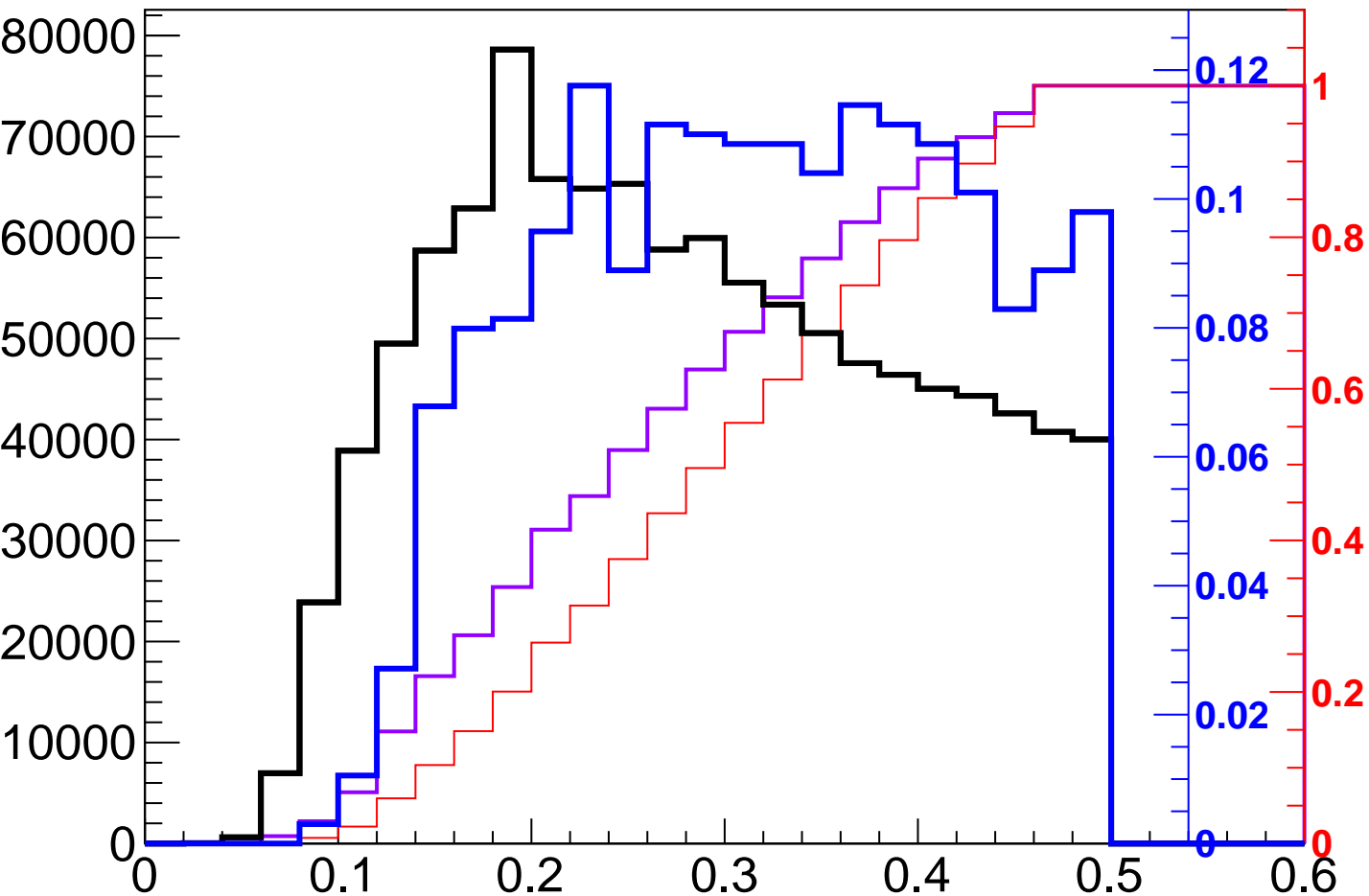
h\_zpPtAs\_lower



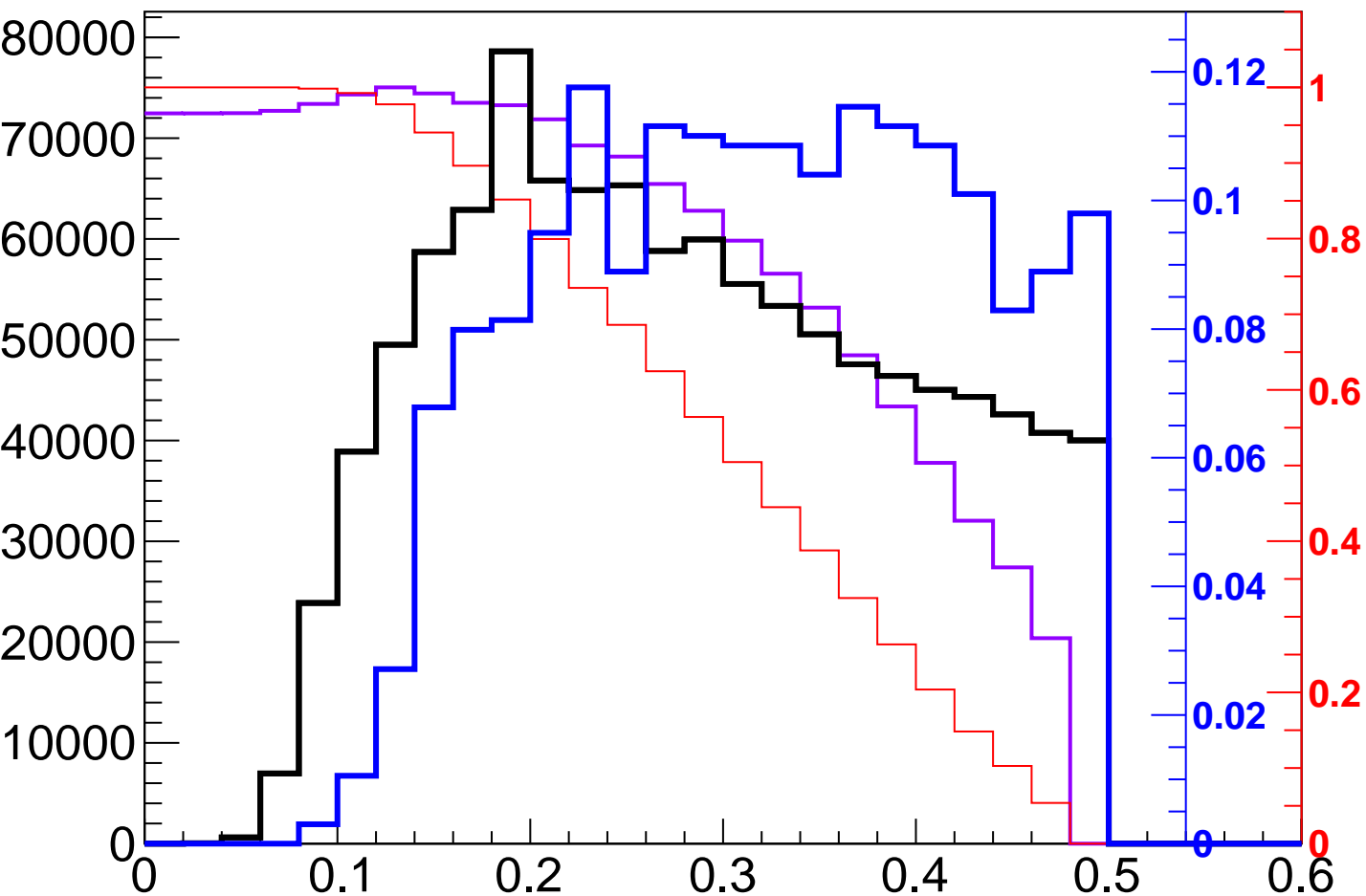
h\_zpPtAs\_higher



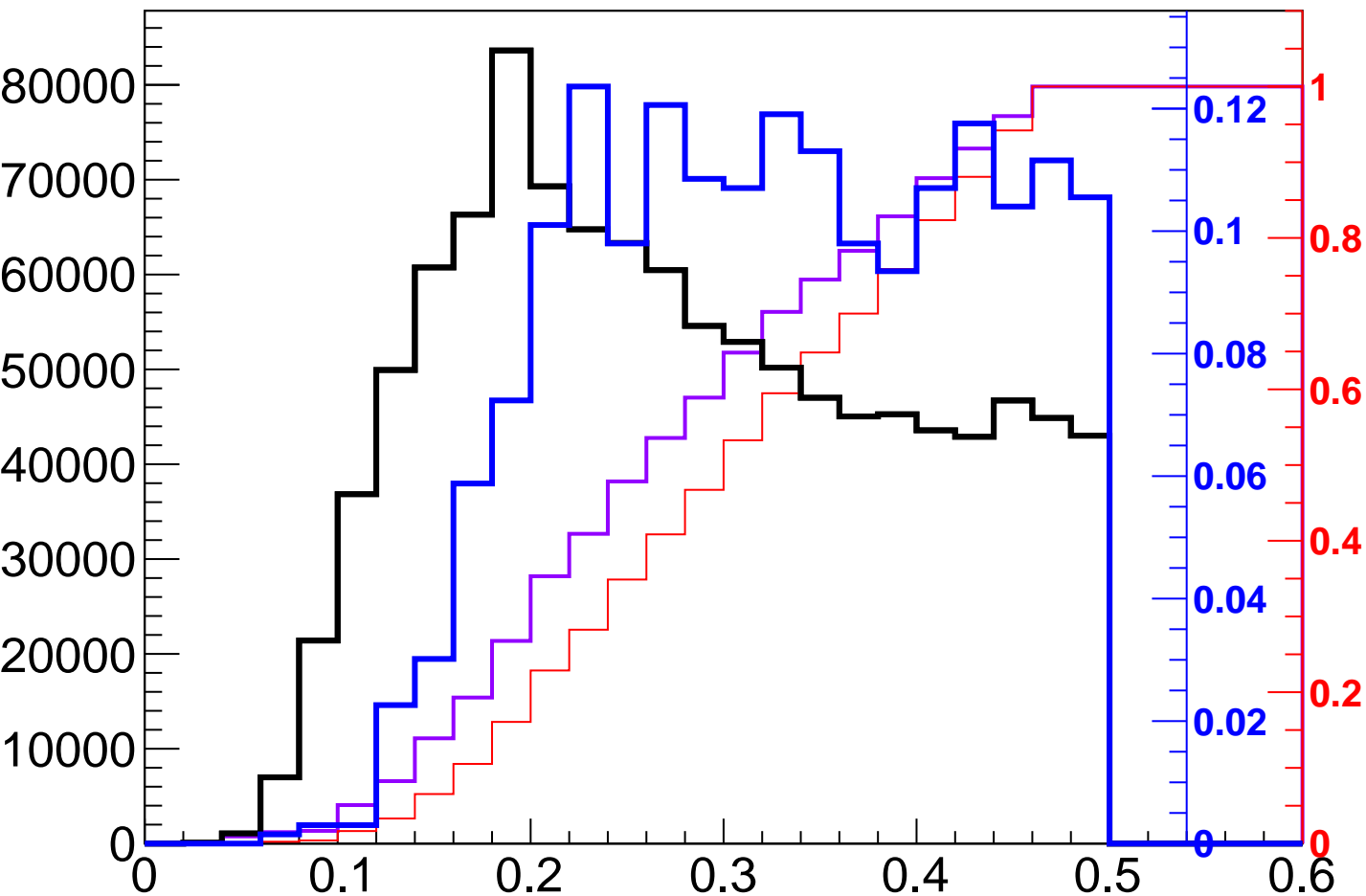
h\_hPtSD\_lower



h\_hPtSD\_higher

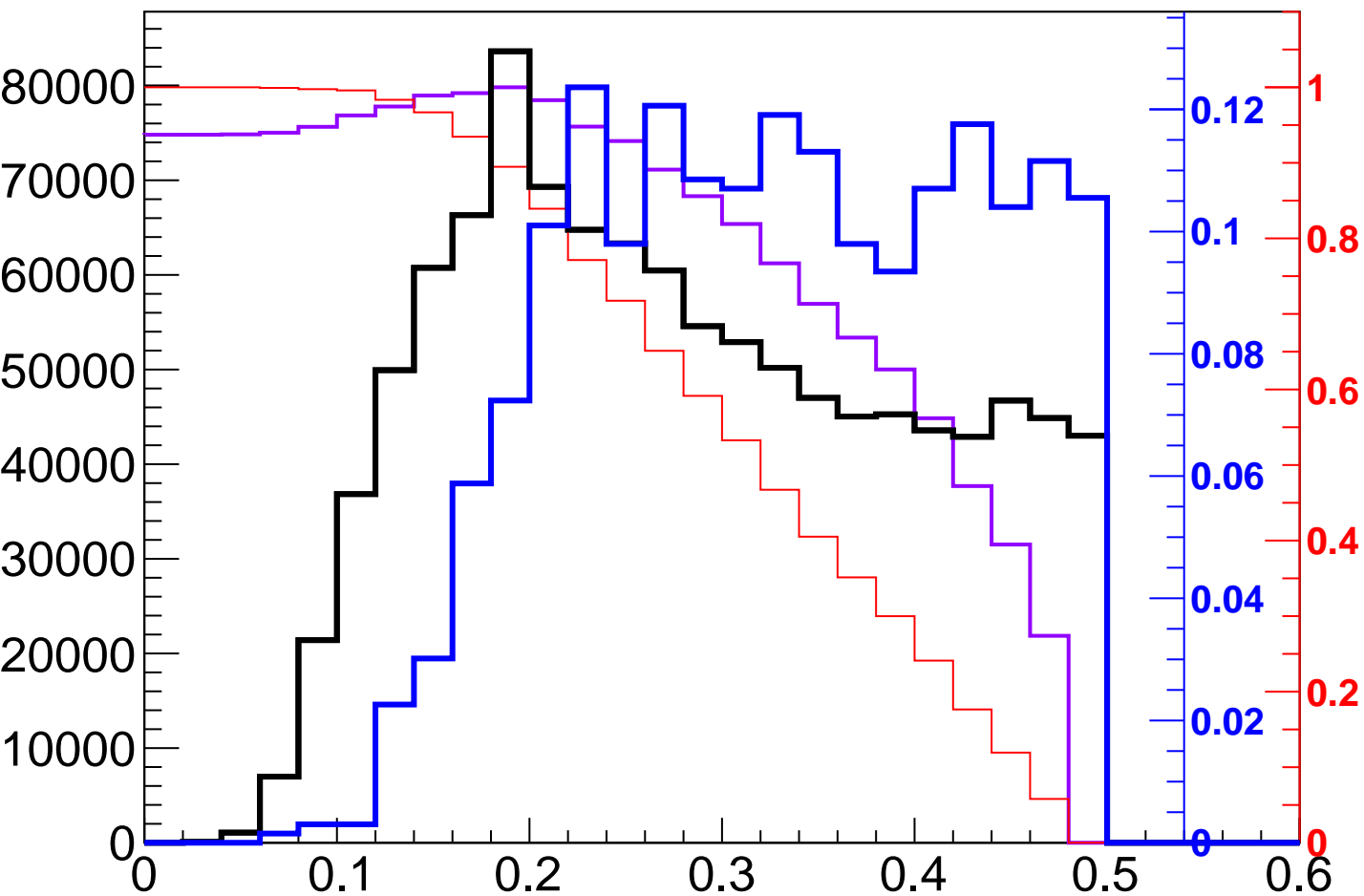


h\_a0PtSD\_lower

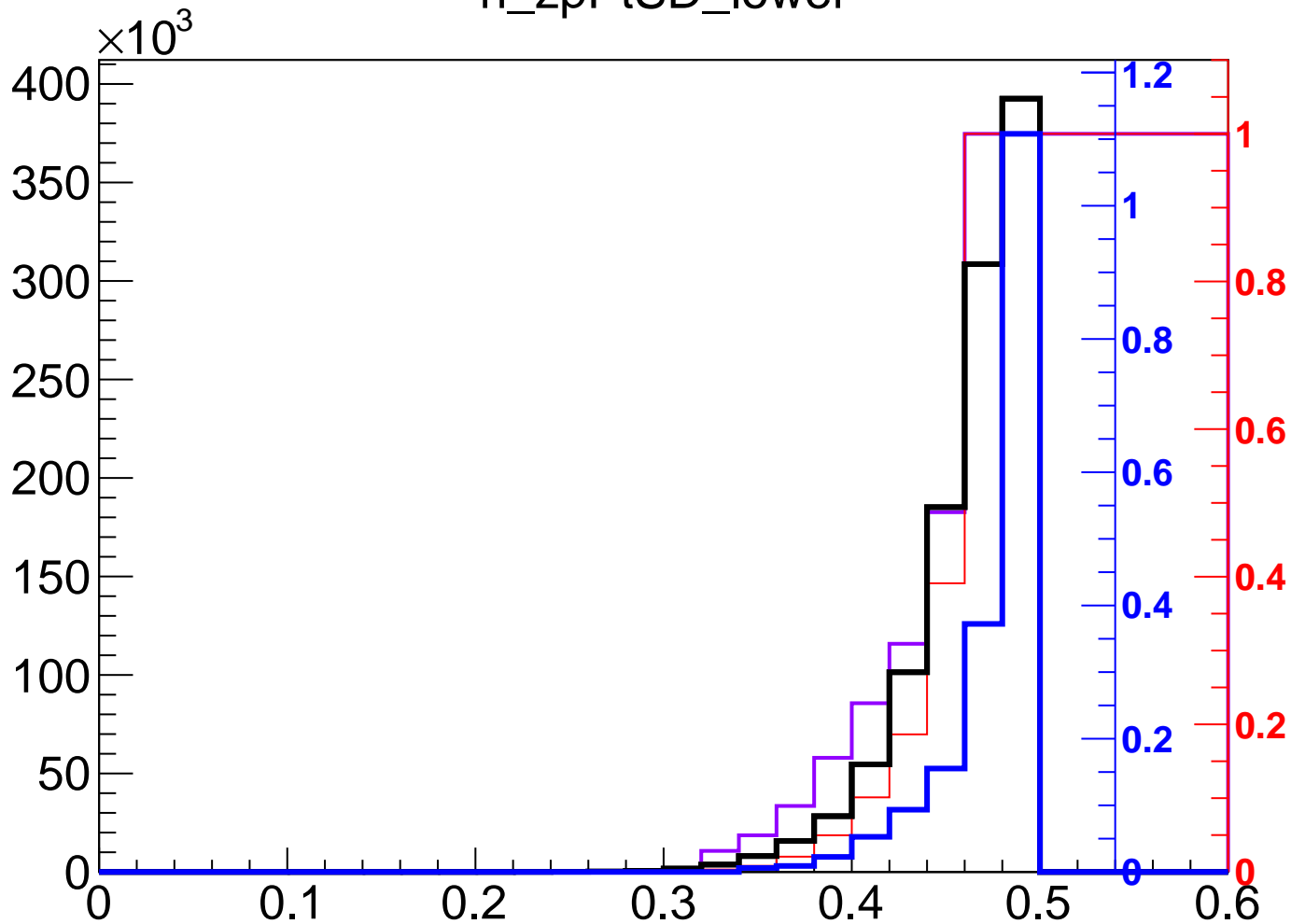




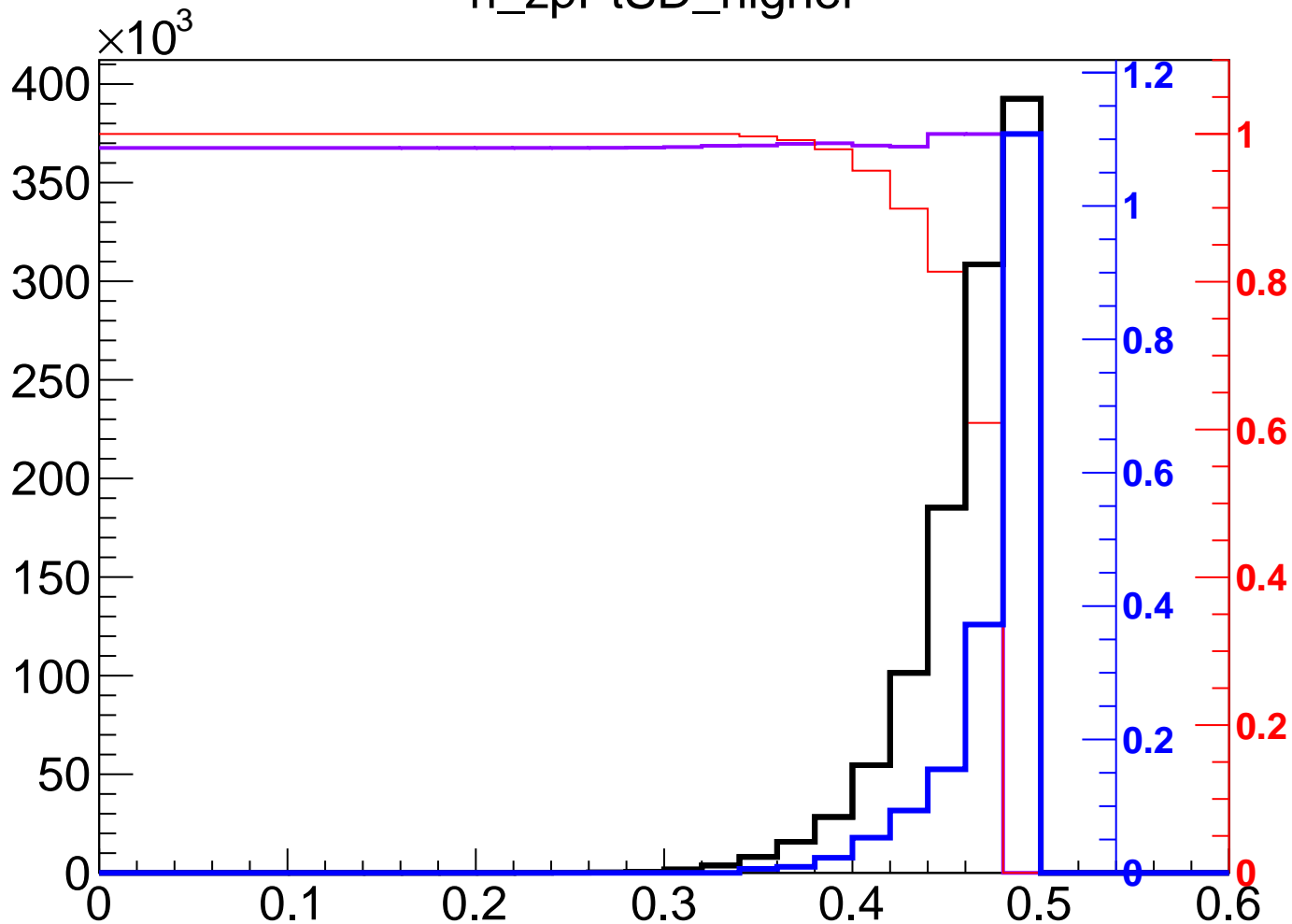
h\_a0PtSD\_higher



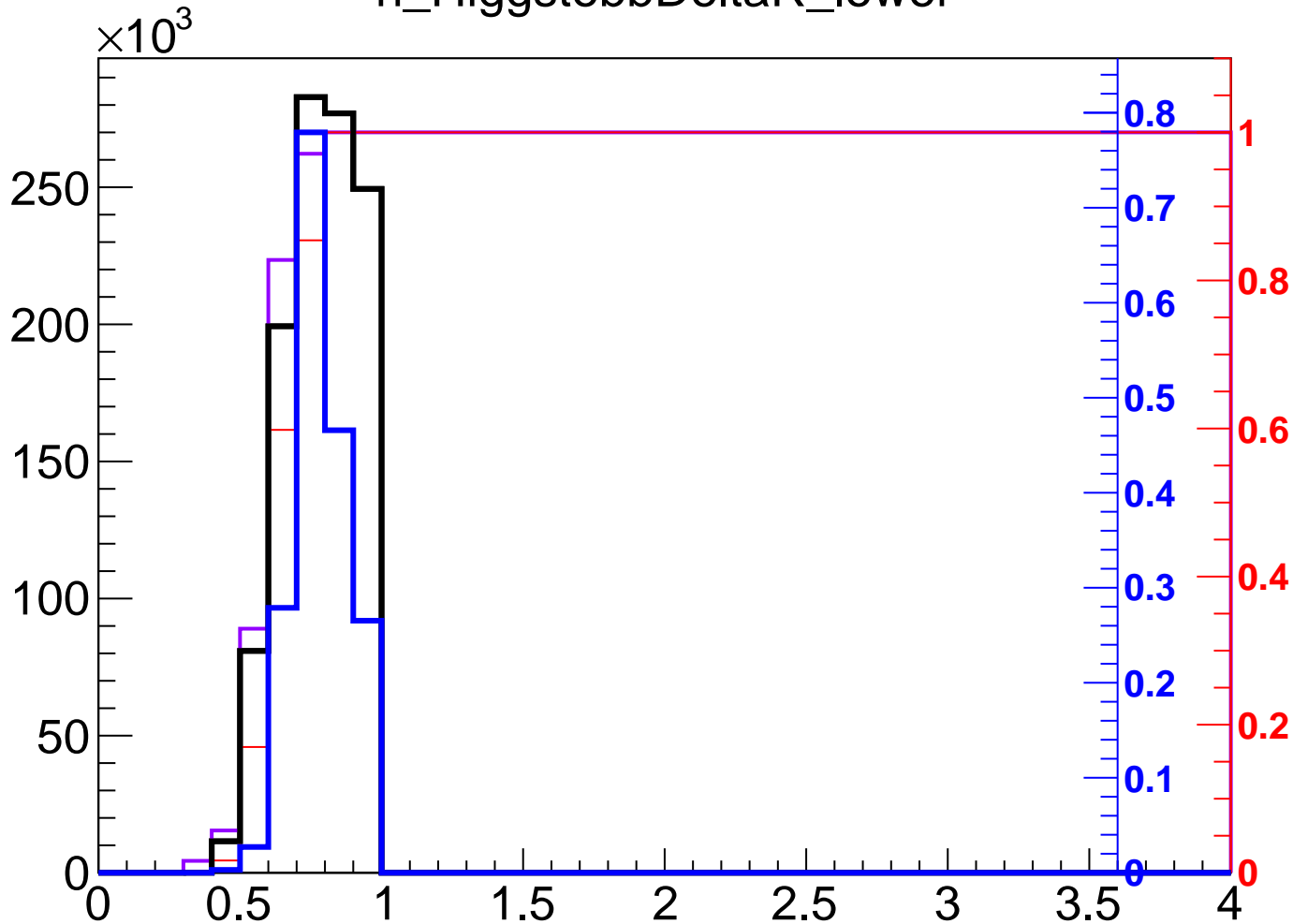
h\_zpPtSD\_lower



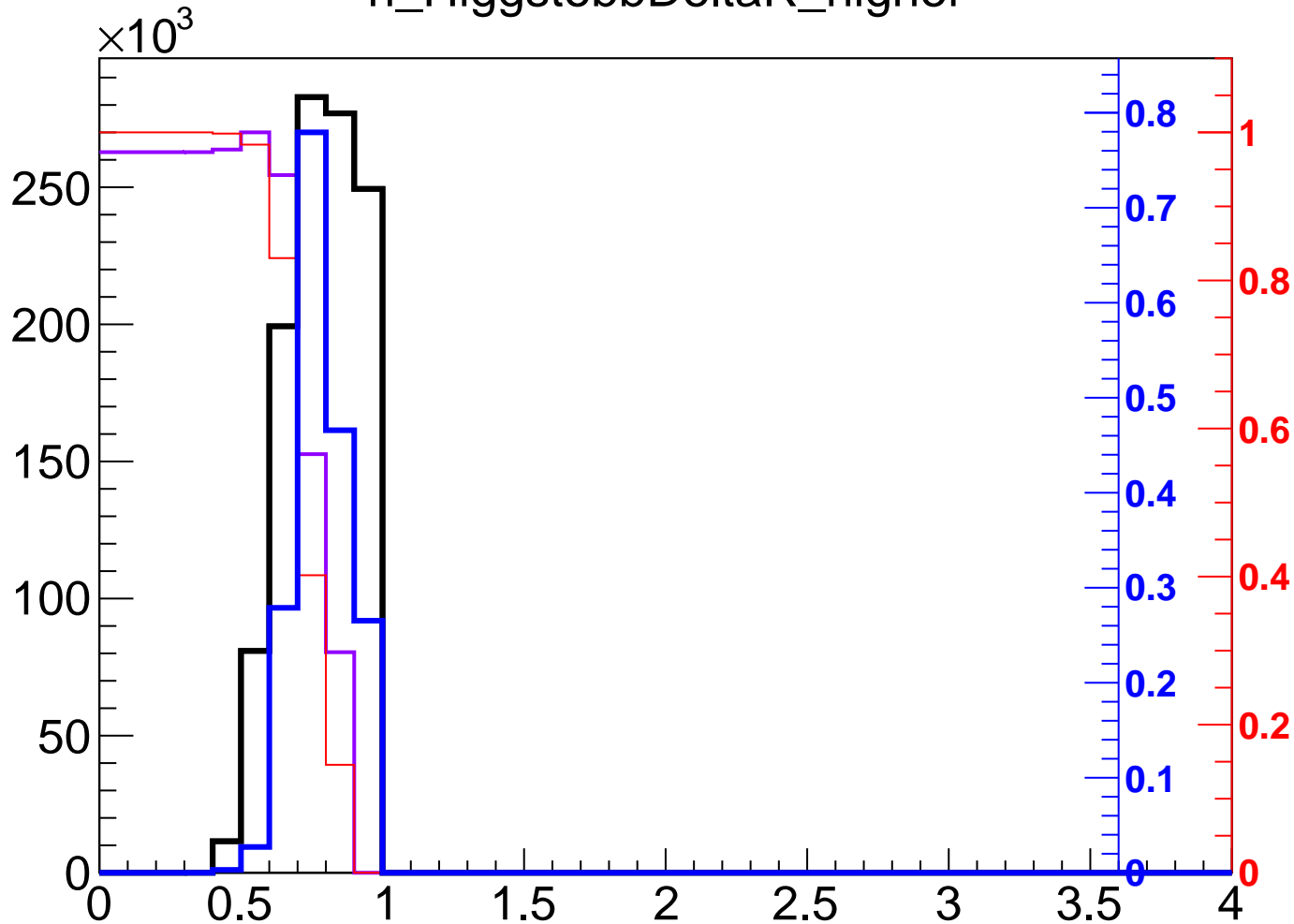
h\_zpPtSD\_higher



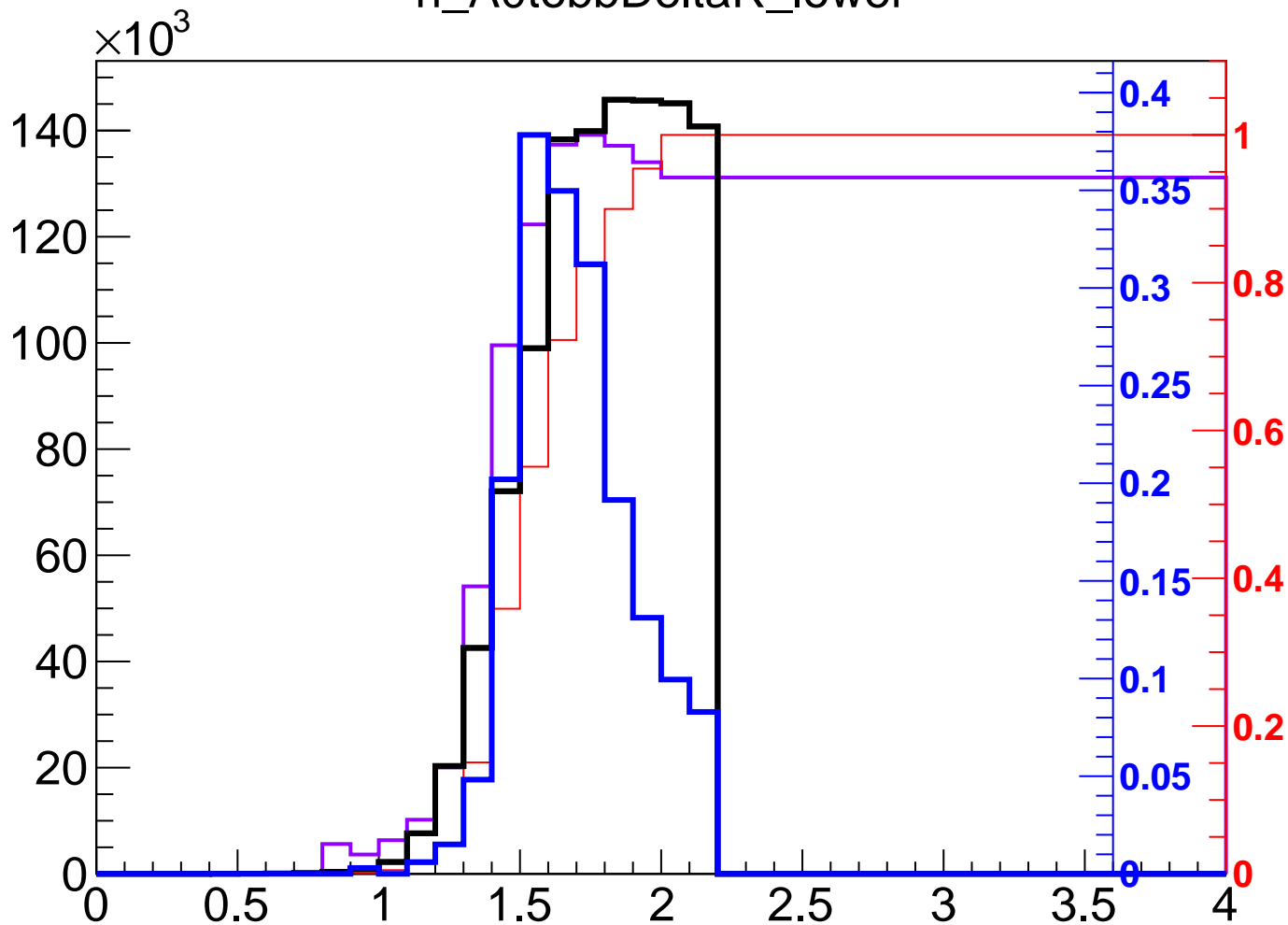
h\_HiggstobbDeltaR\_lower



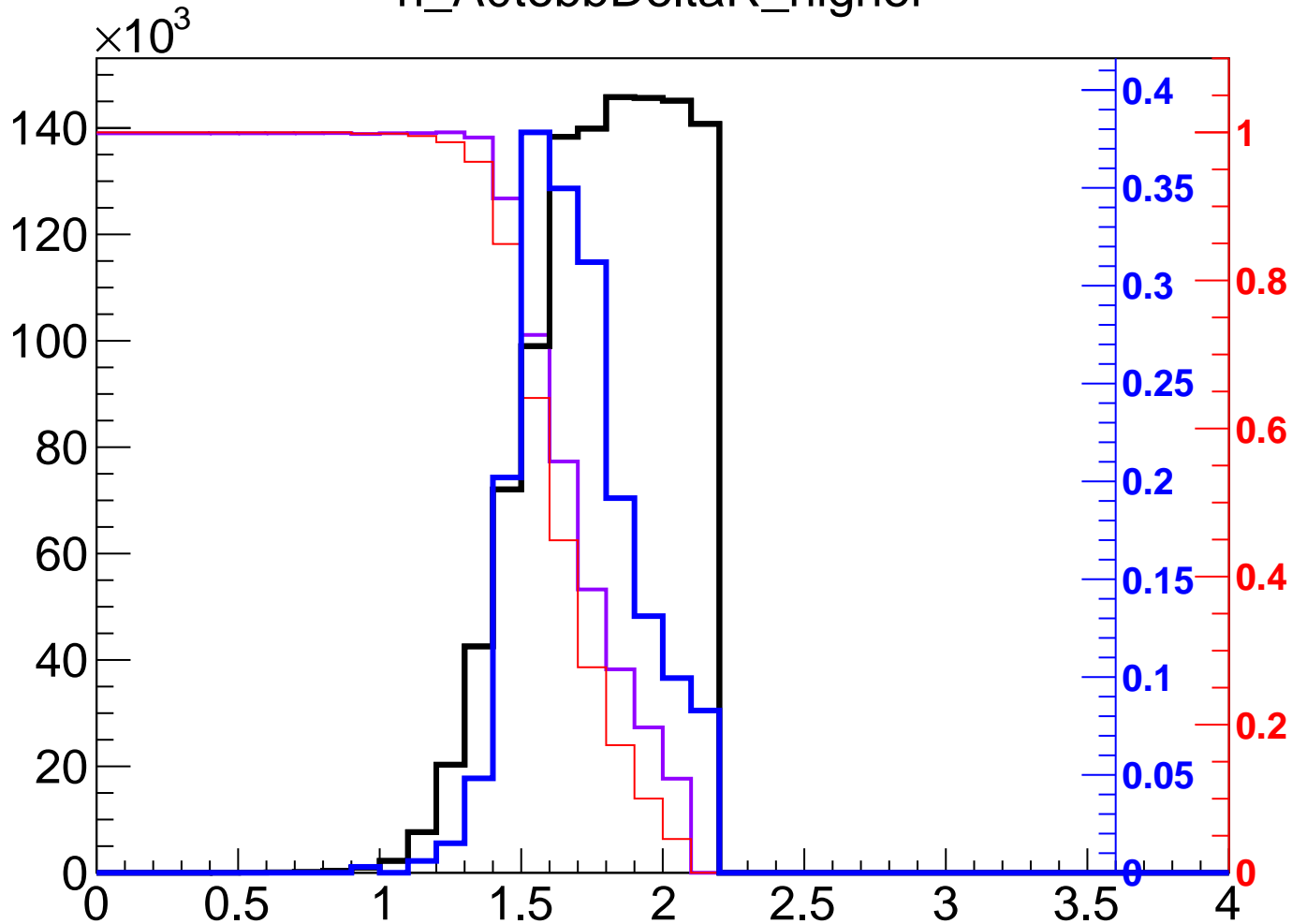
h\_HiggstobbDeltaR\_higher



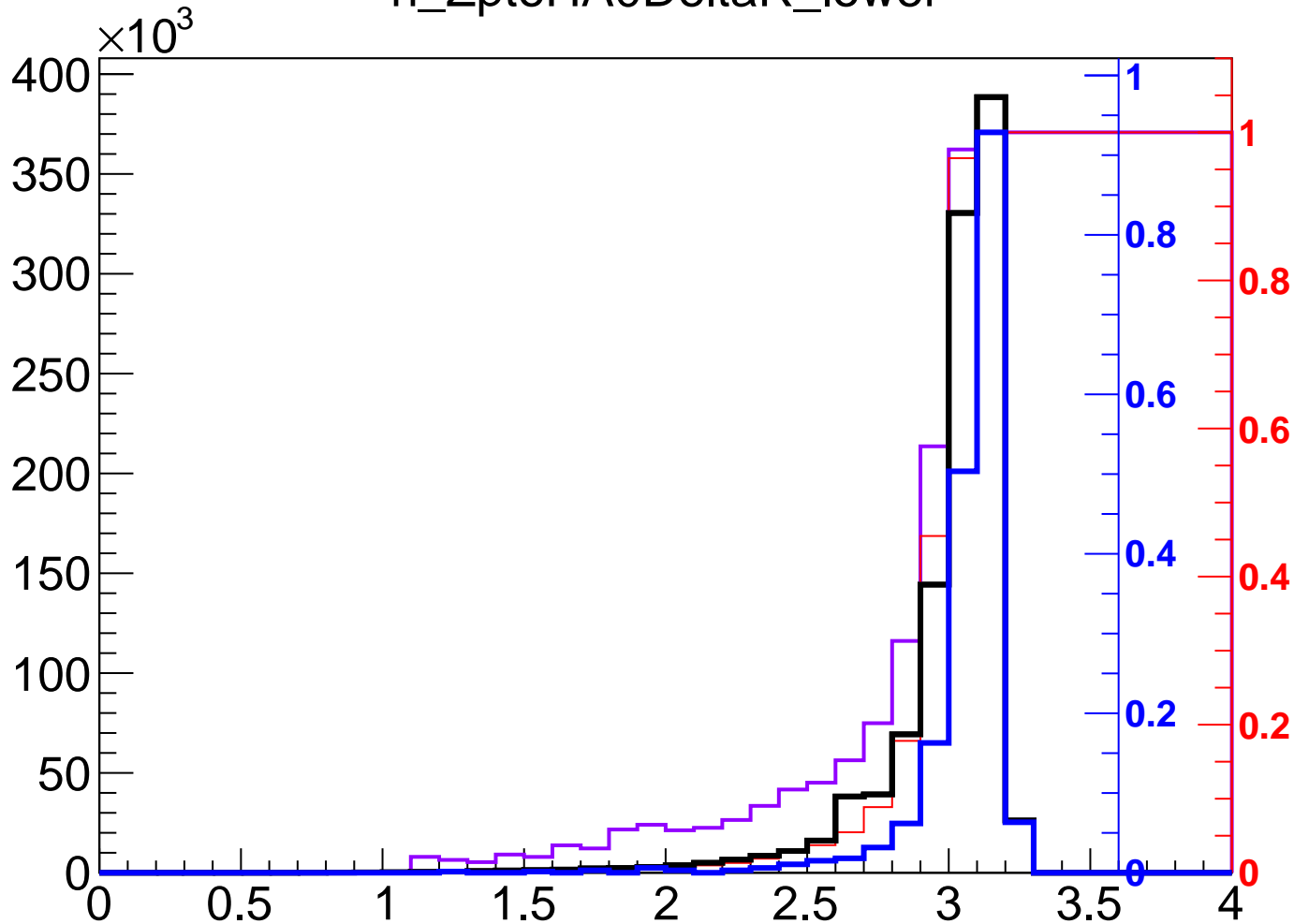
h\_A0tobbDeltaR\_lower



h\_A0tobbDeltaR\_higher

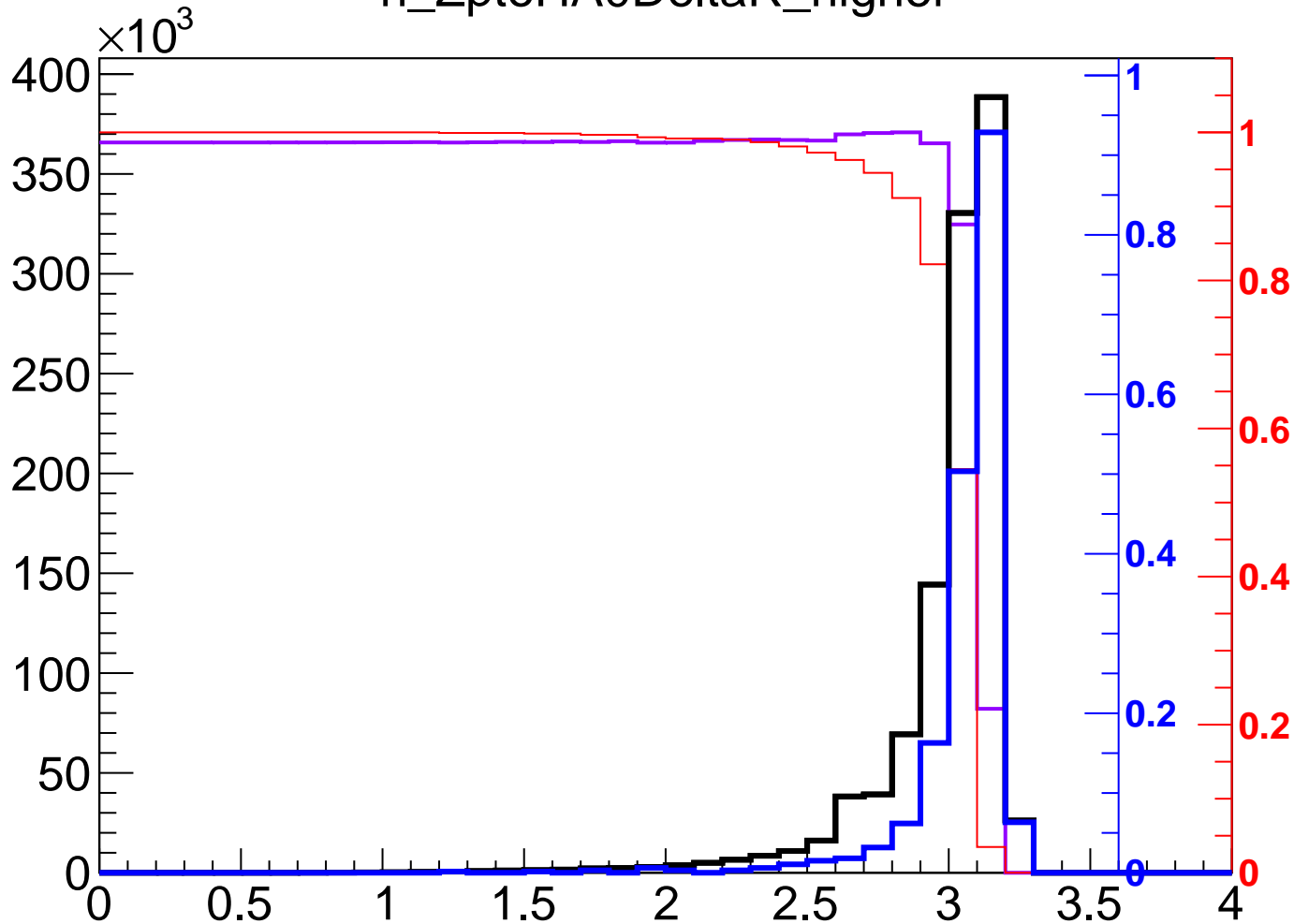


h\_ZptoHA0DeltaR\_lower

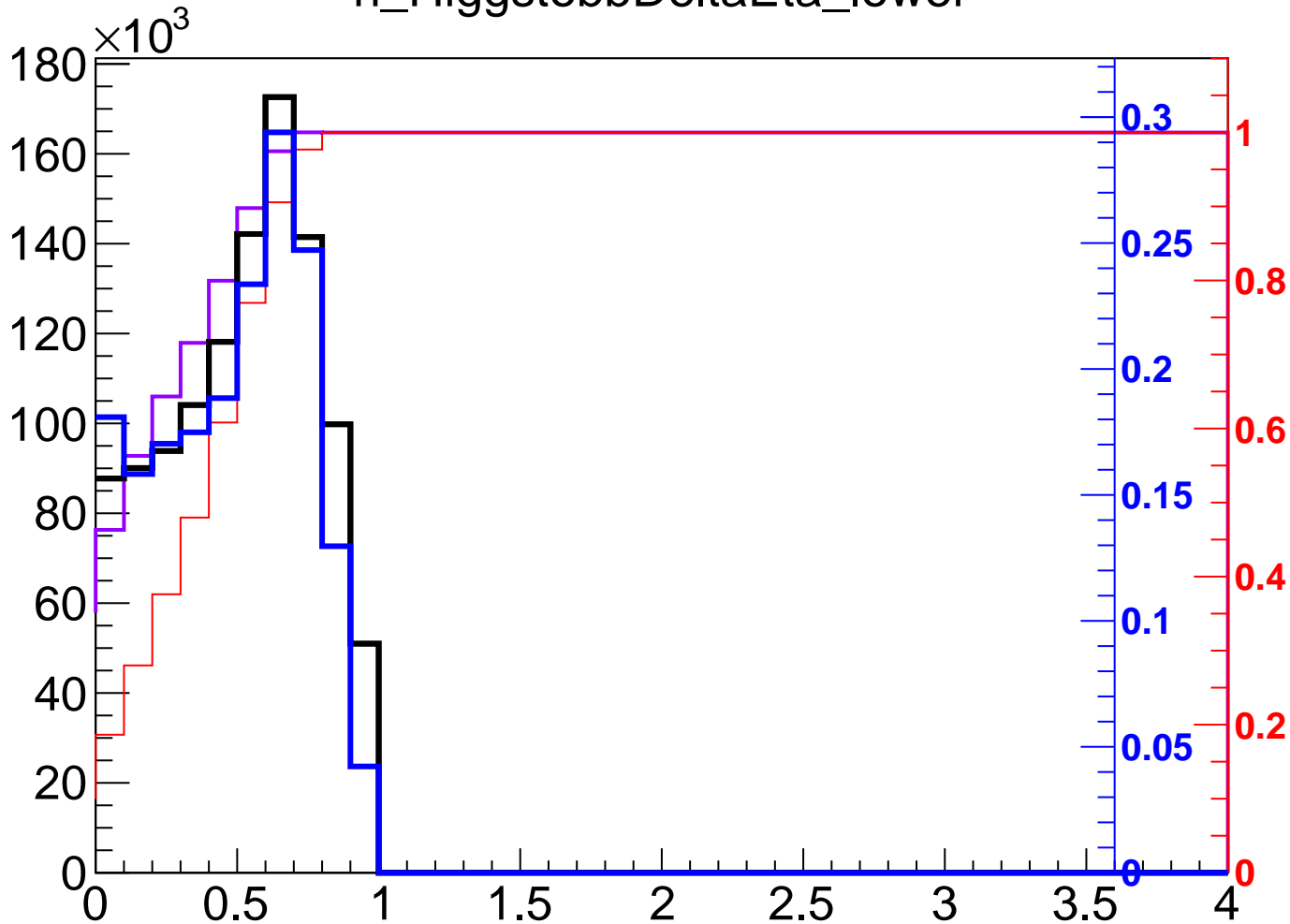




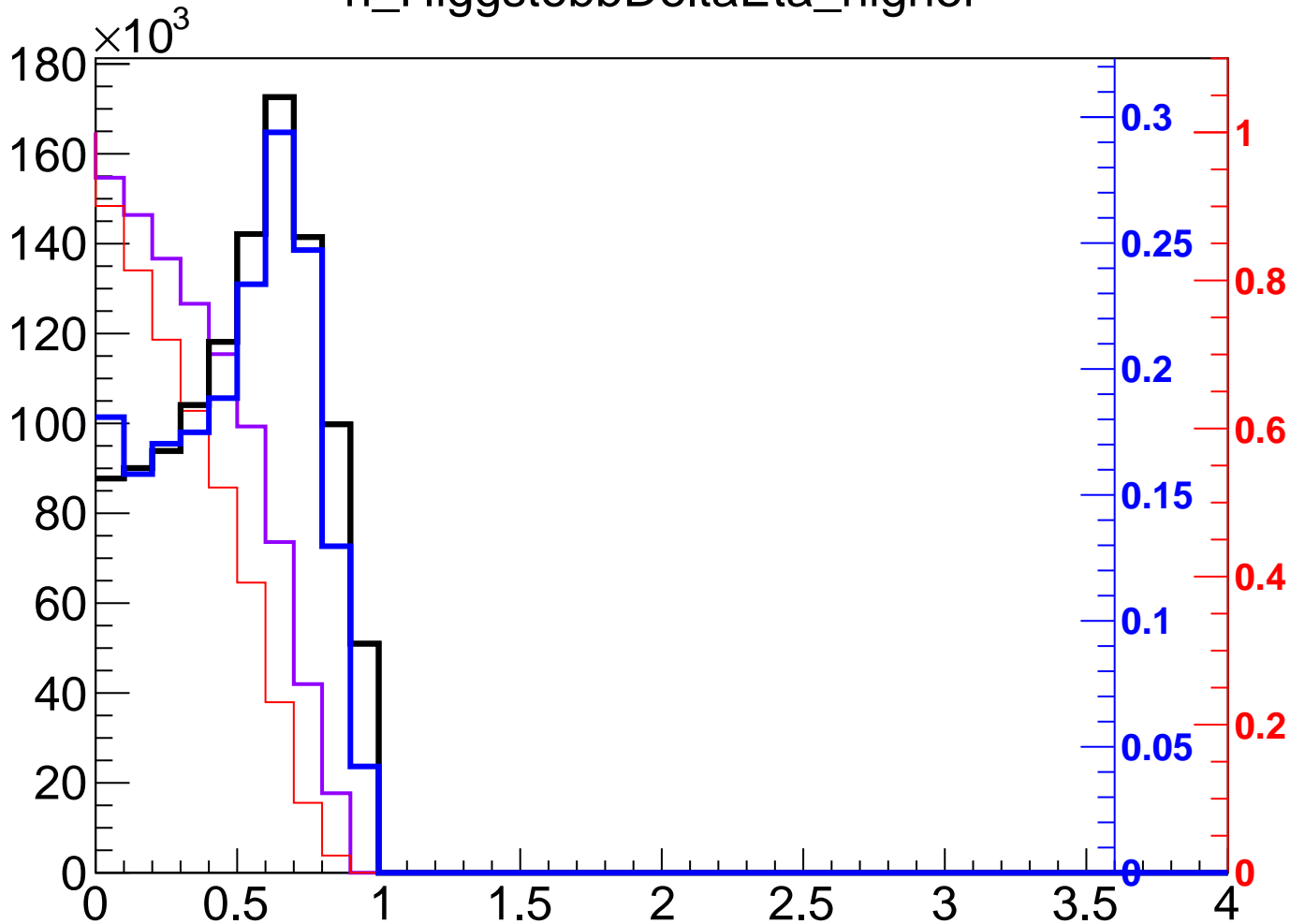
h\_ZptoHA0DeltaR\_higher



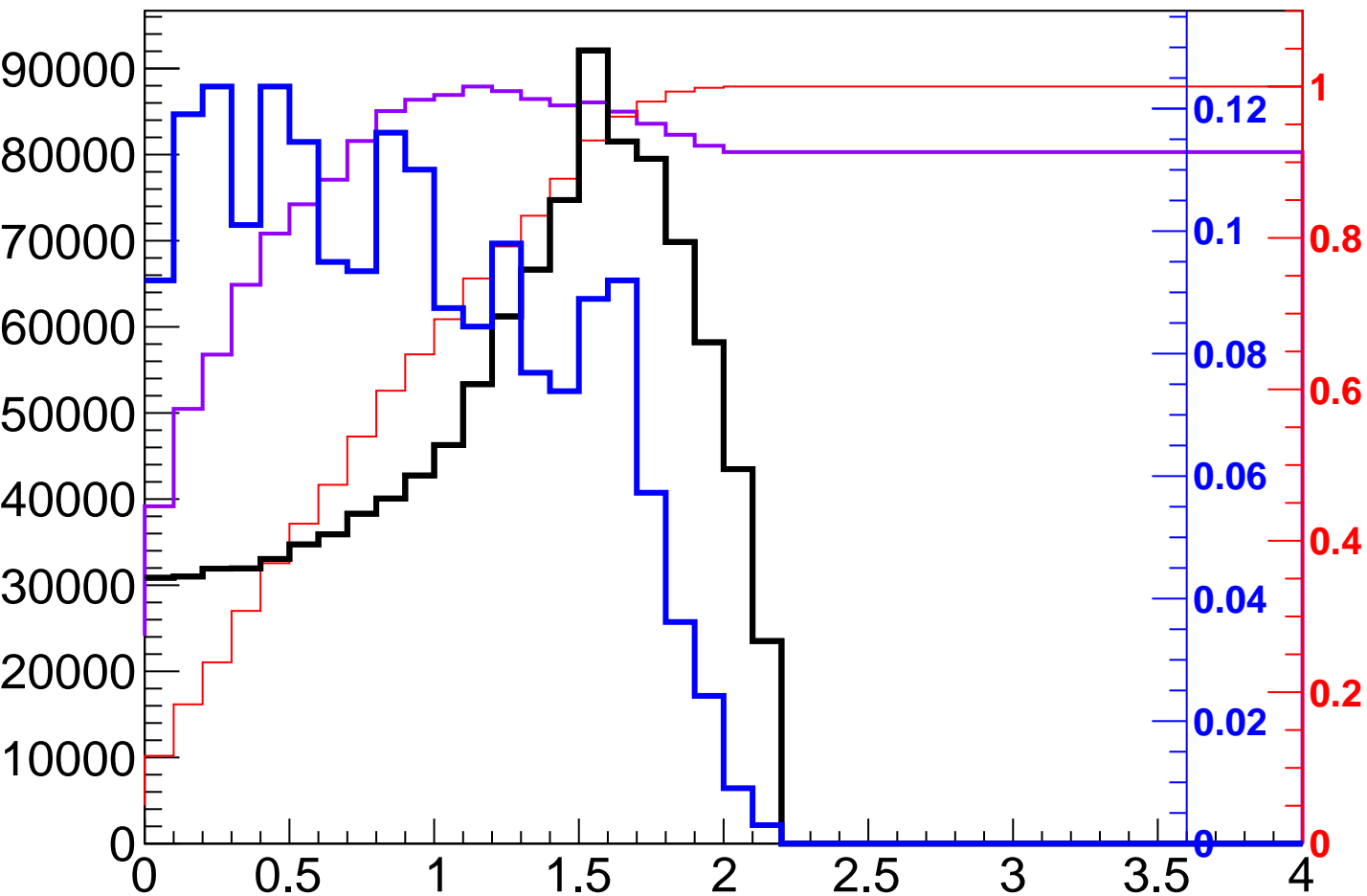
h\_HiggstobbDeltaEta\_lower



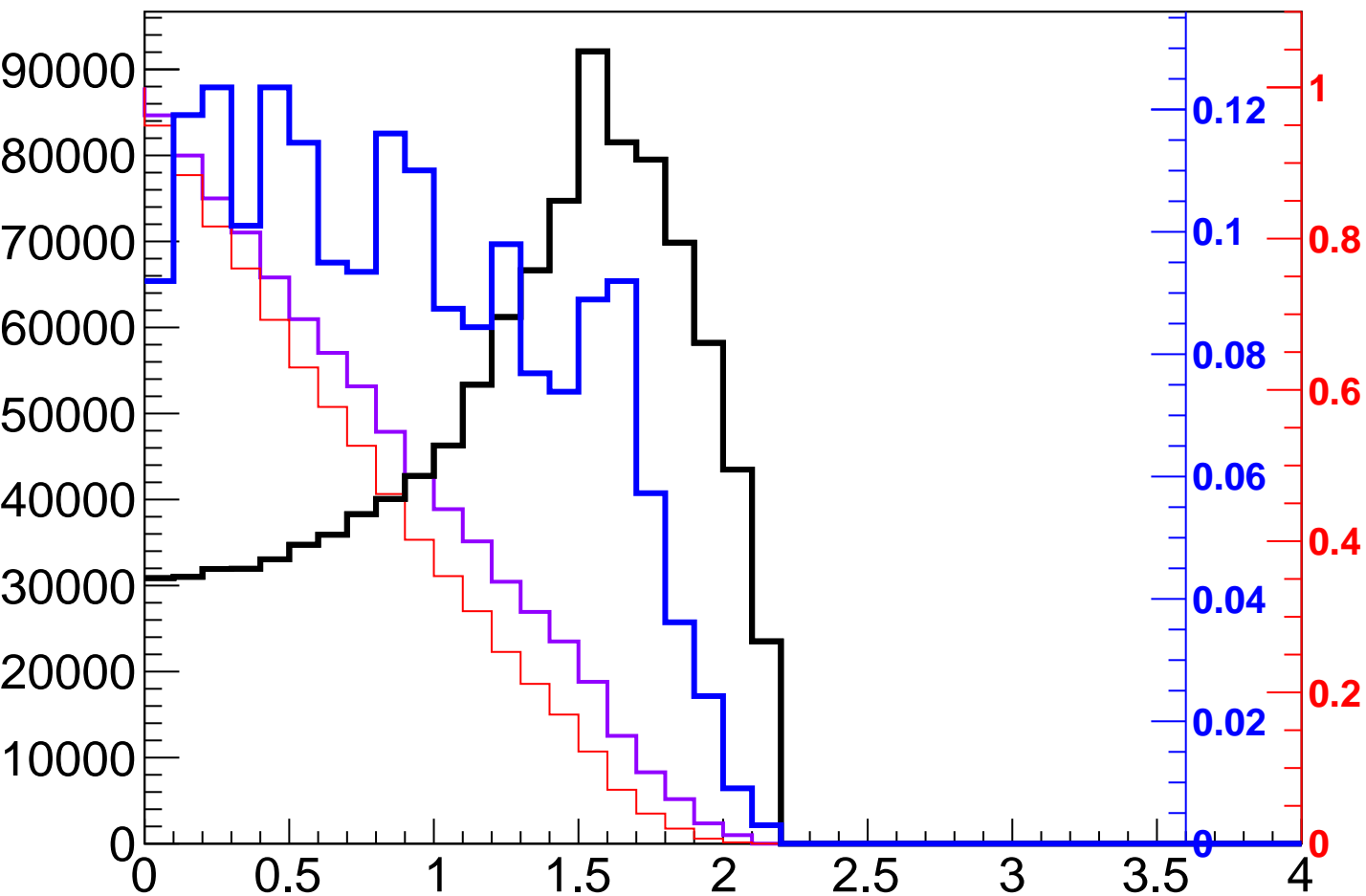
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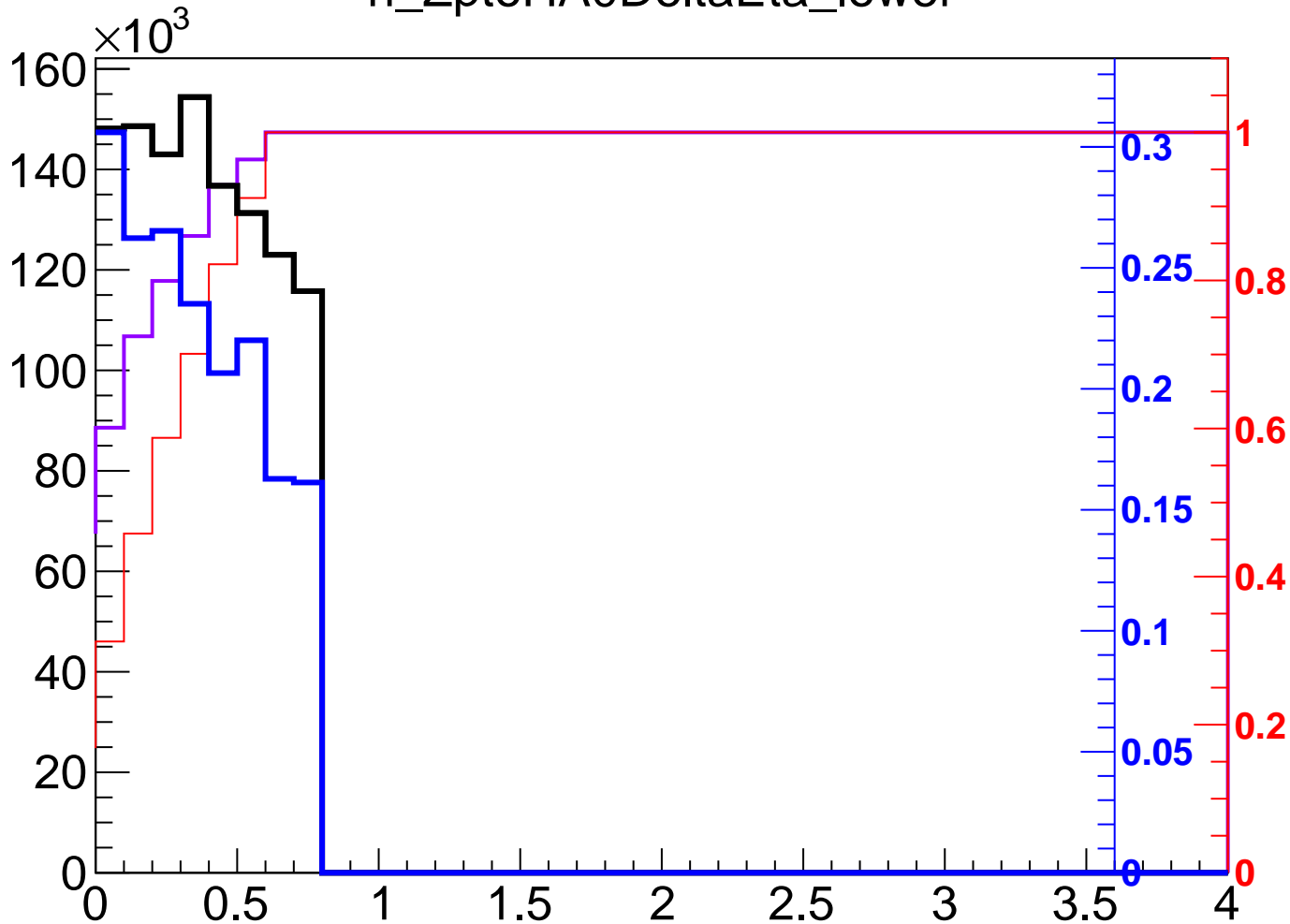
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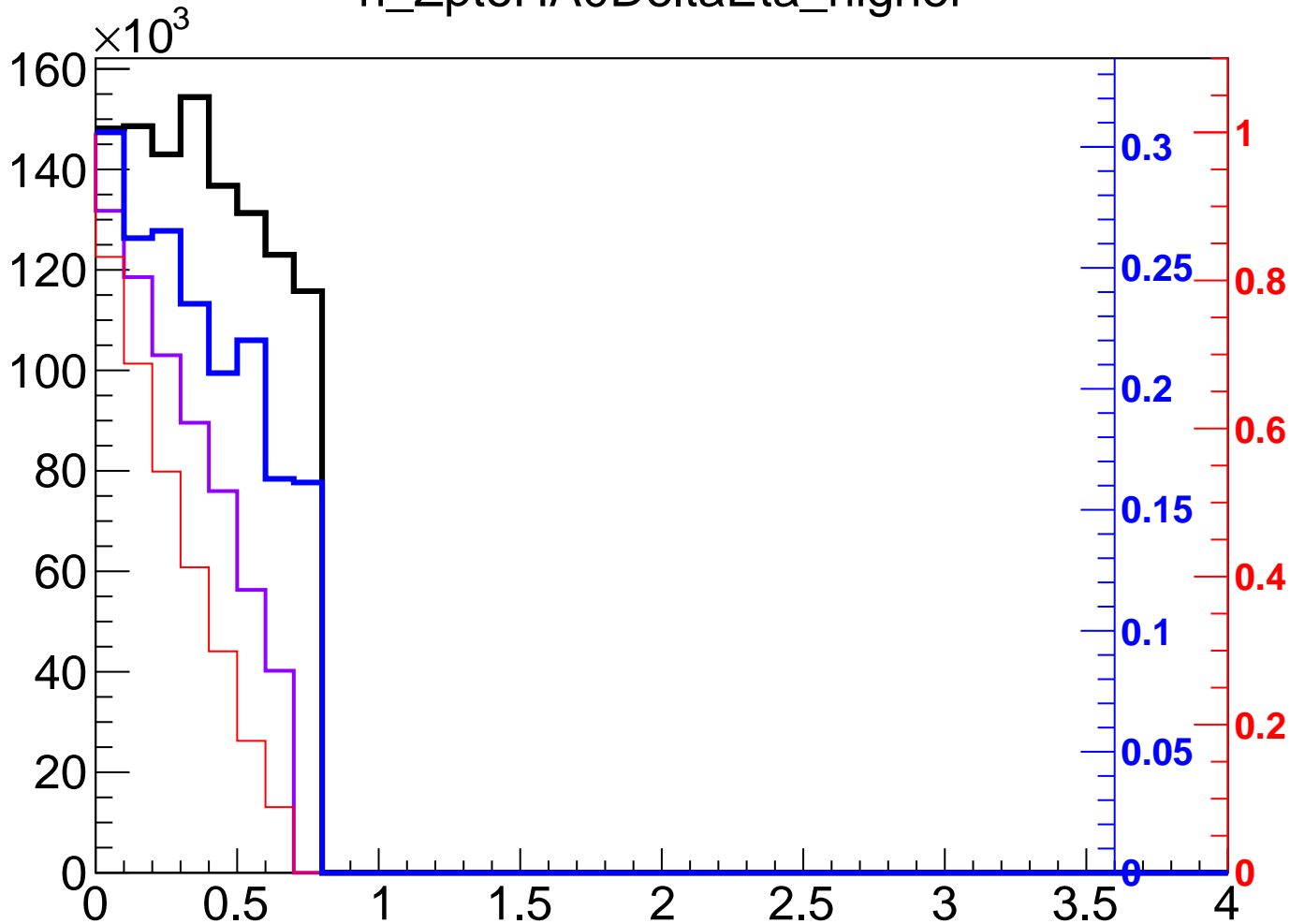
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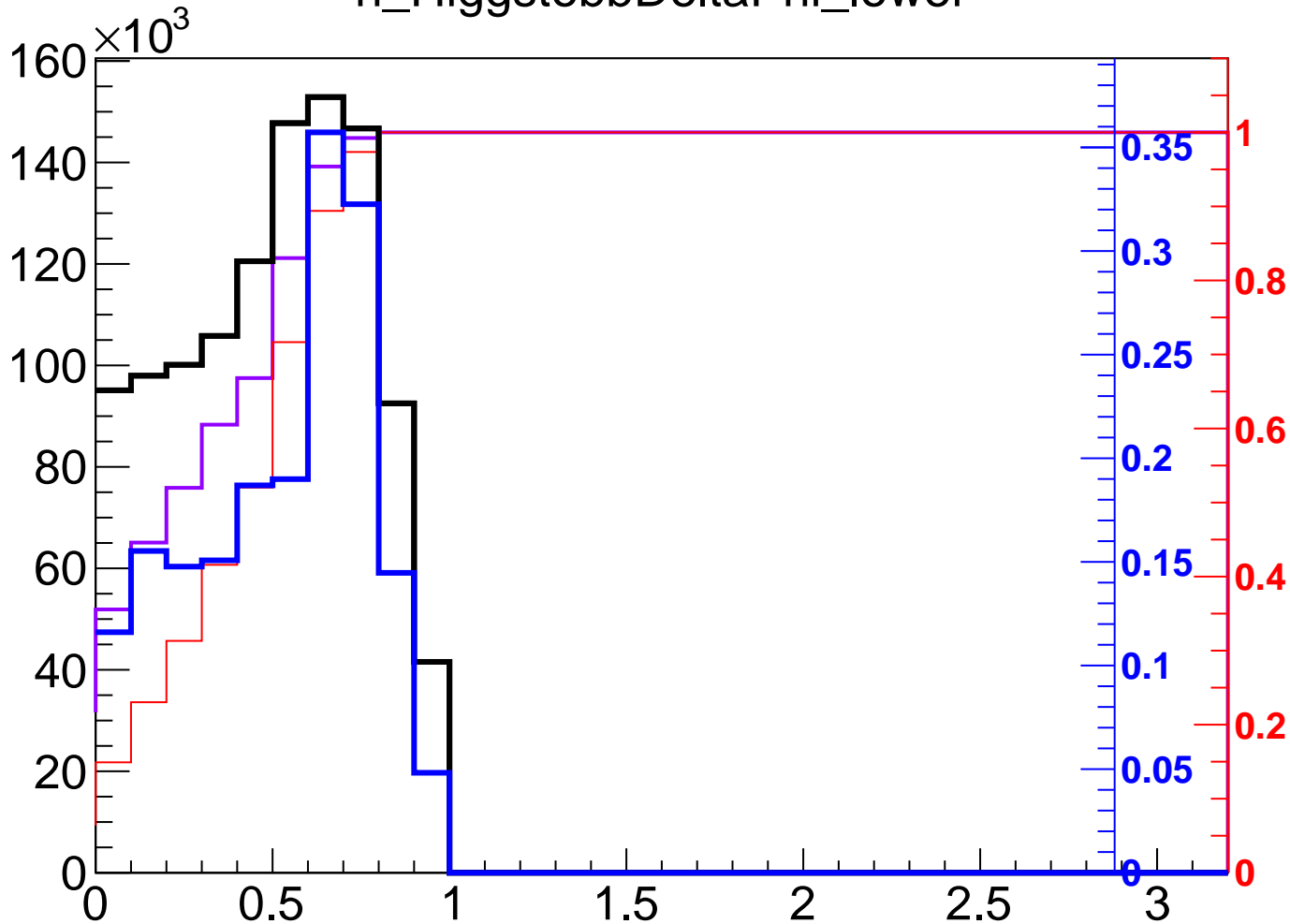
h\_ZptoHA0DeltaEta\_lower



h\_ZptoHA0DeltaEta\_higher

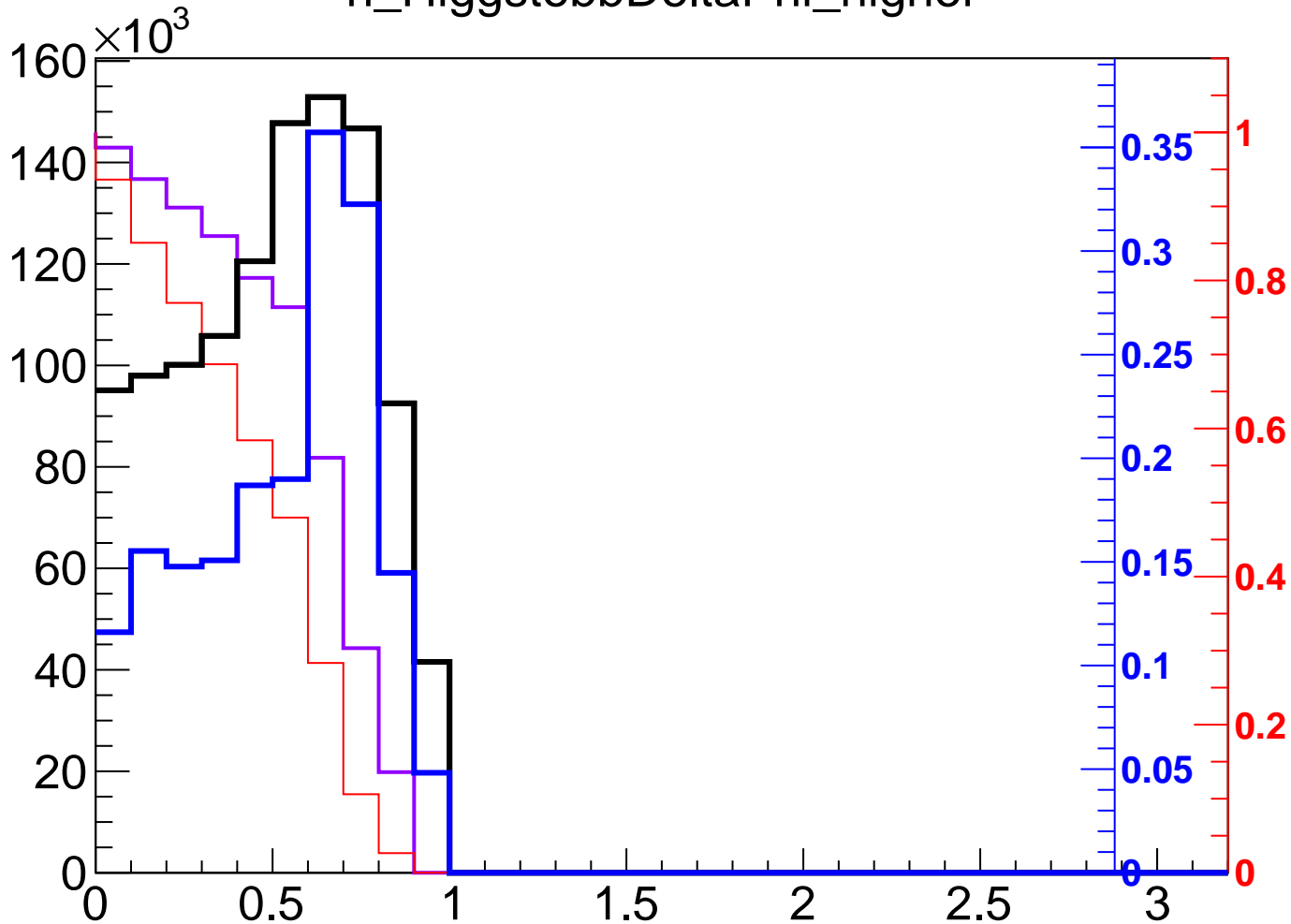


h\_HiggstobbDeltaPhi\_lower

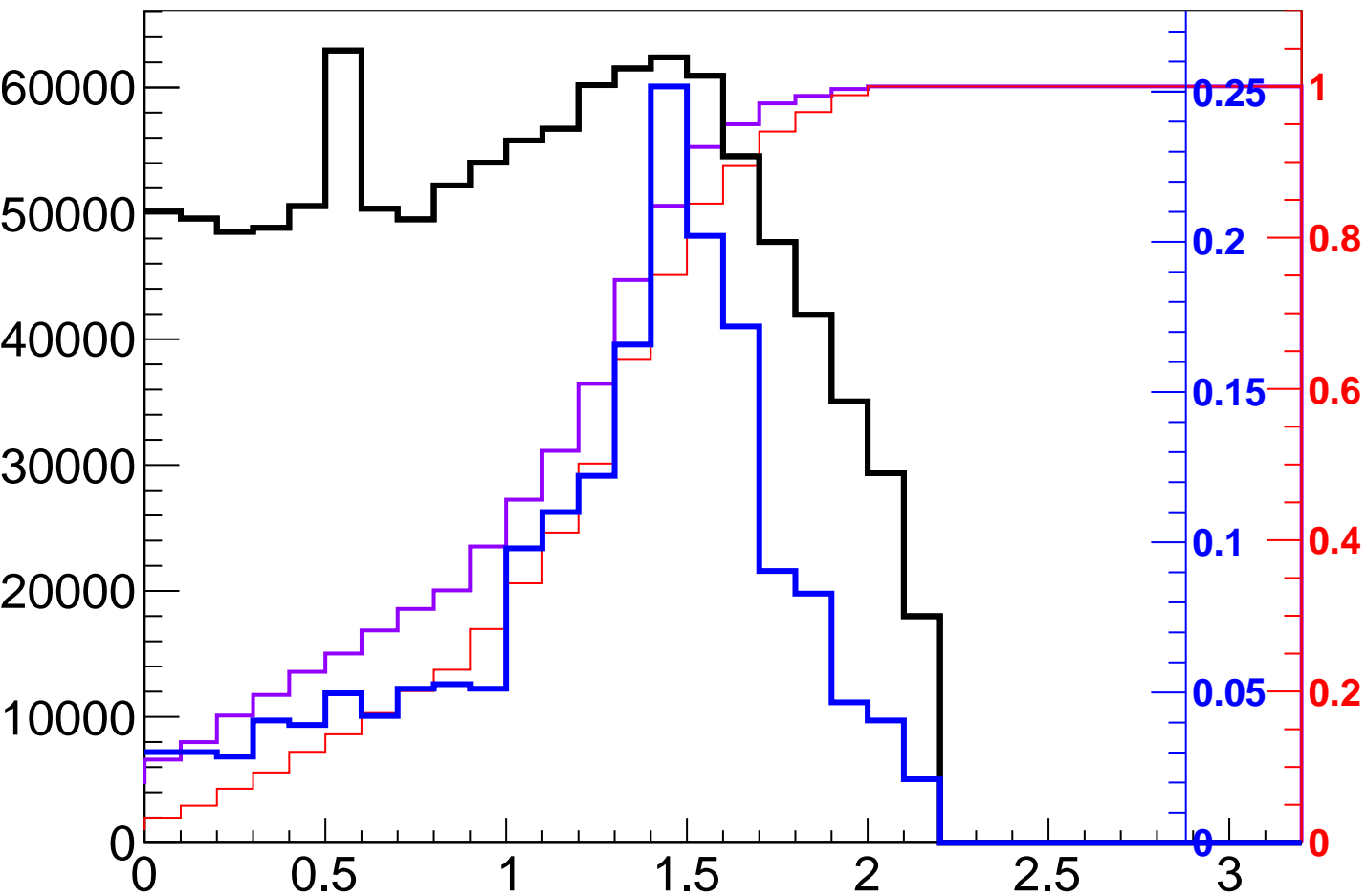




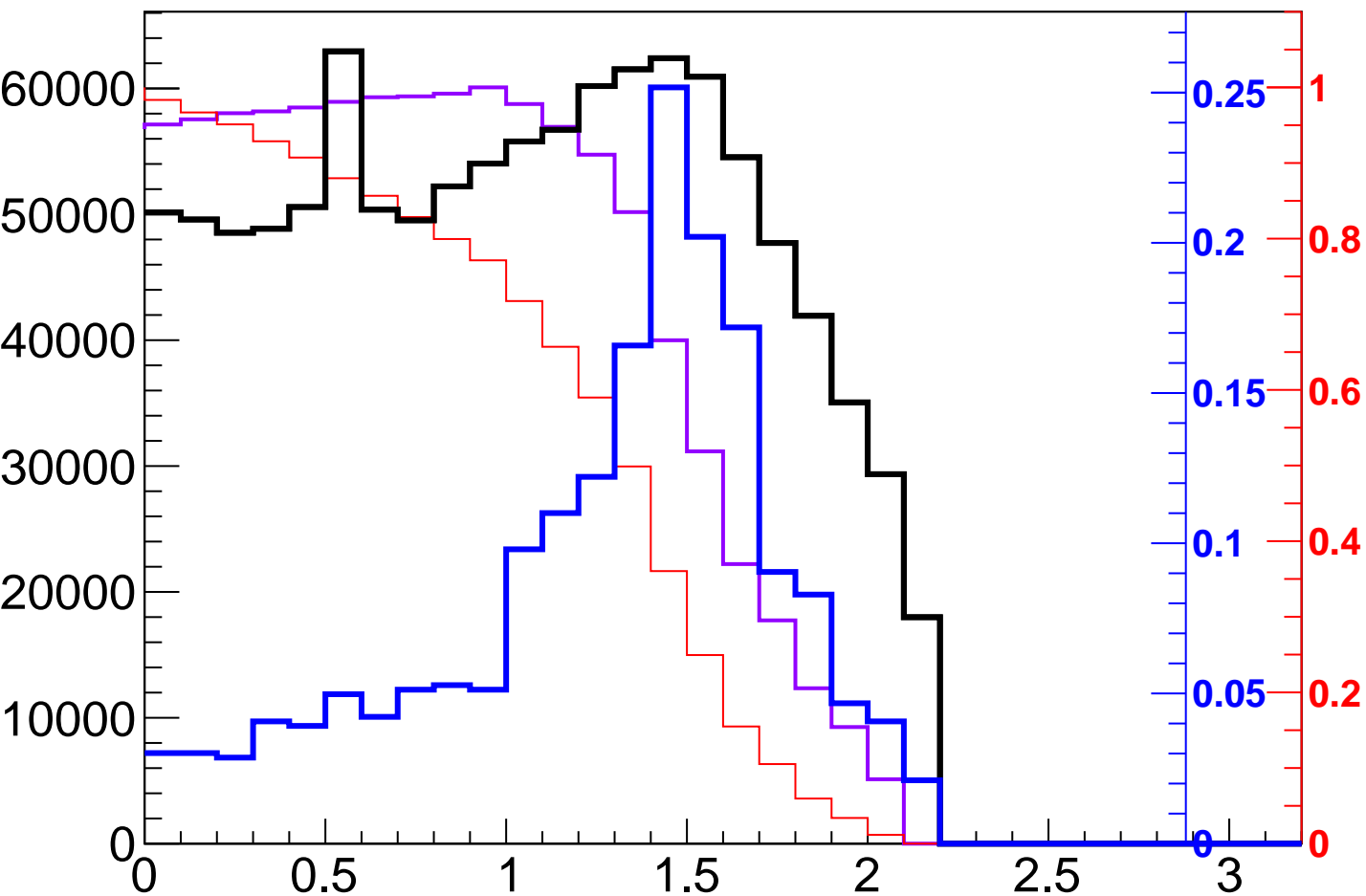
h\_HiggstobbDeltaPhi\_higher



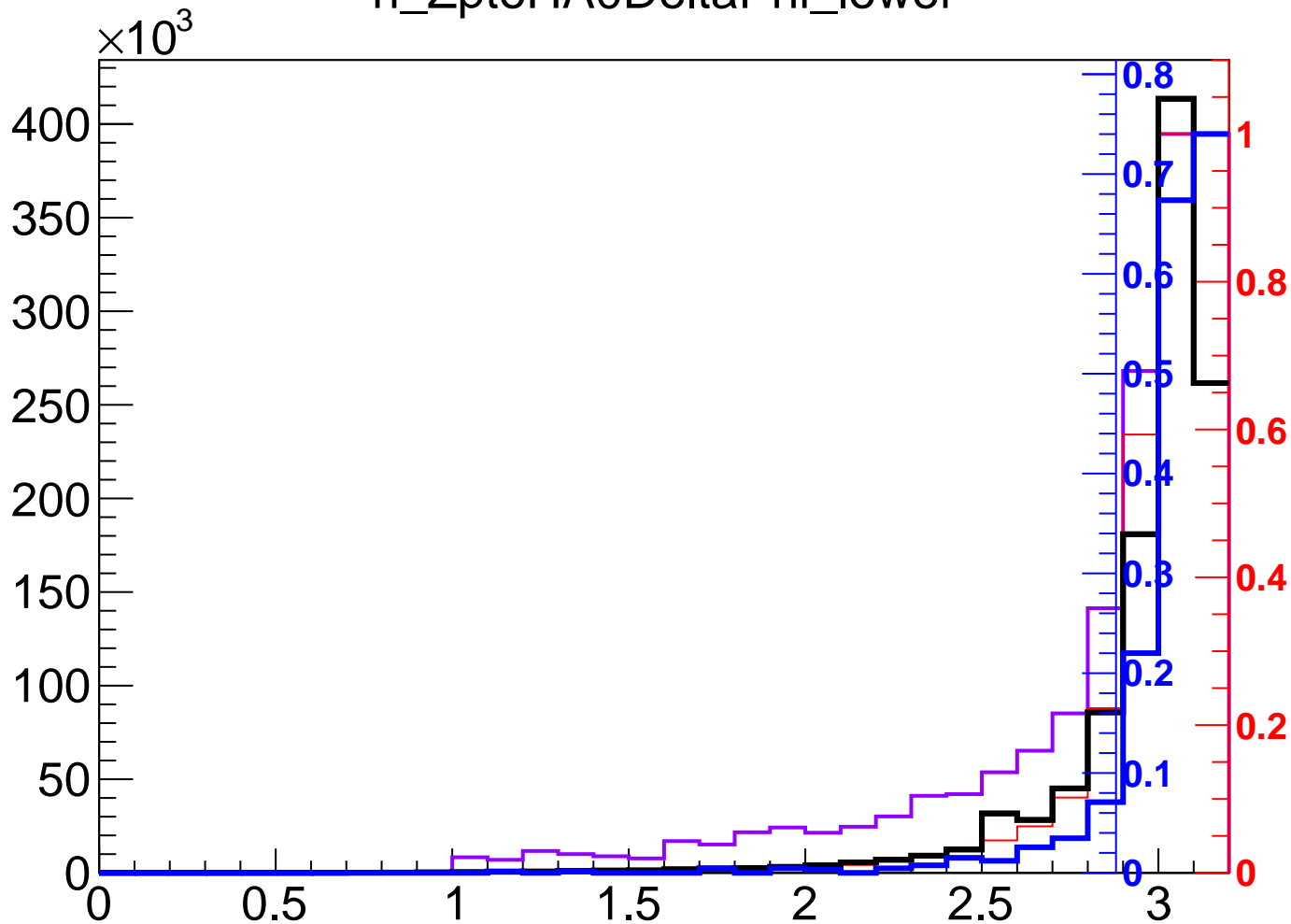
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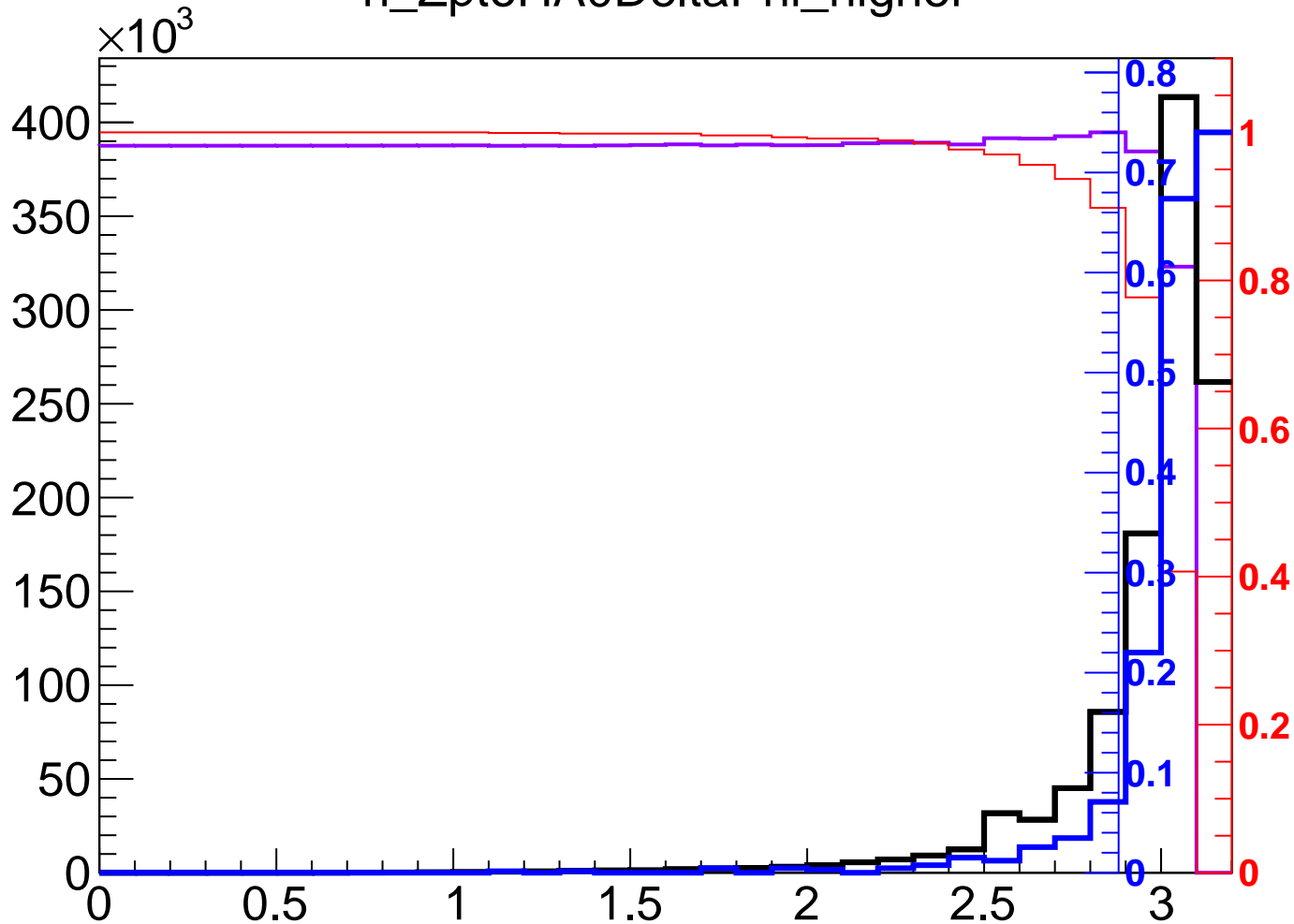
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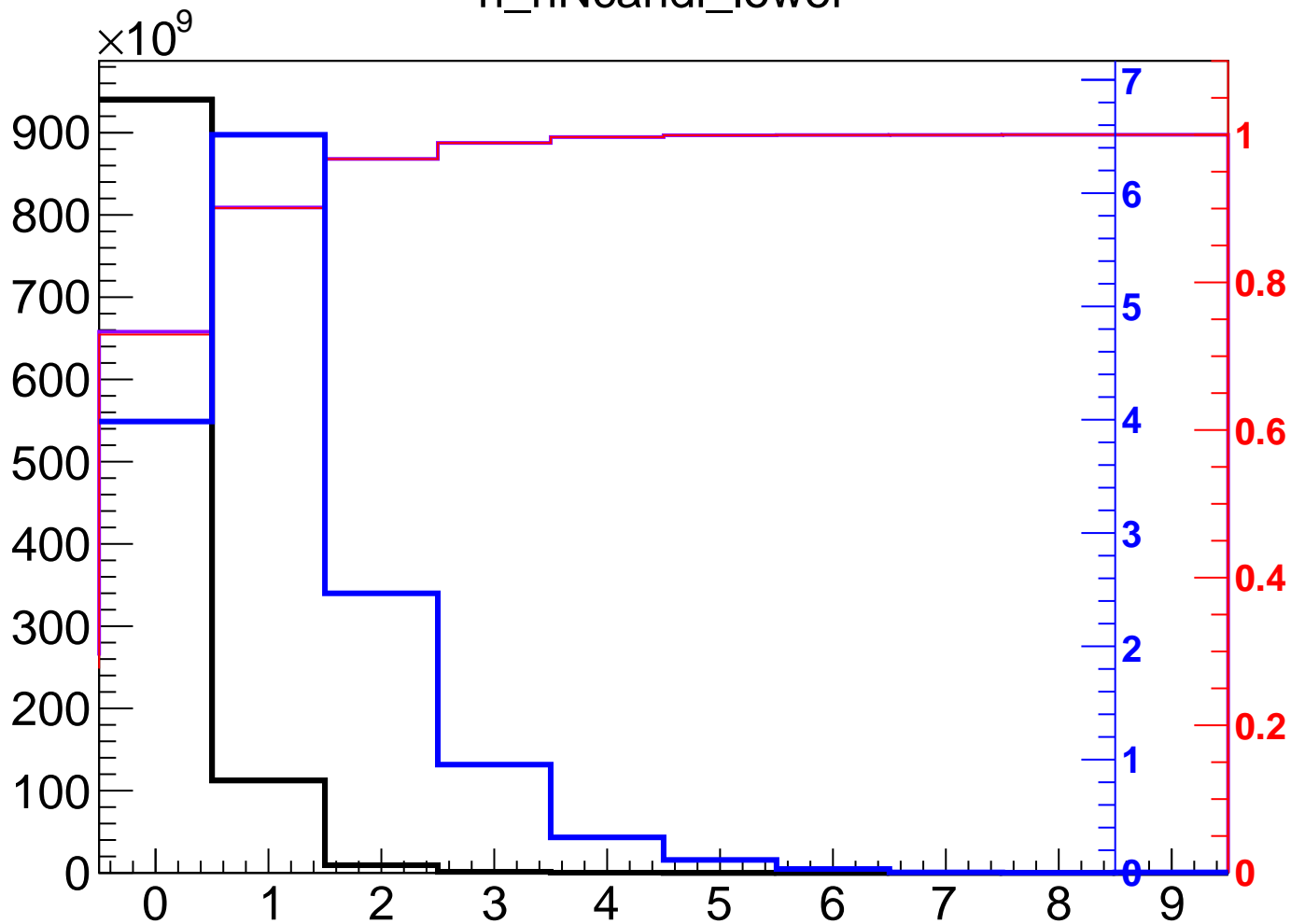
h\_ZptoHA0DeltaPhi\_lower



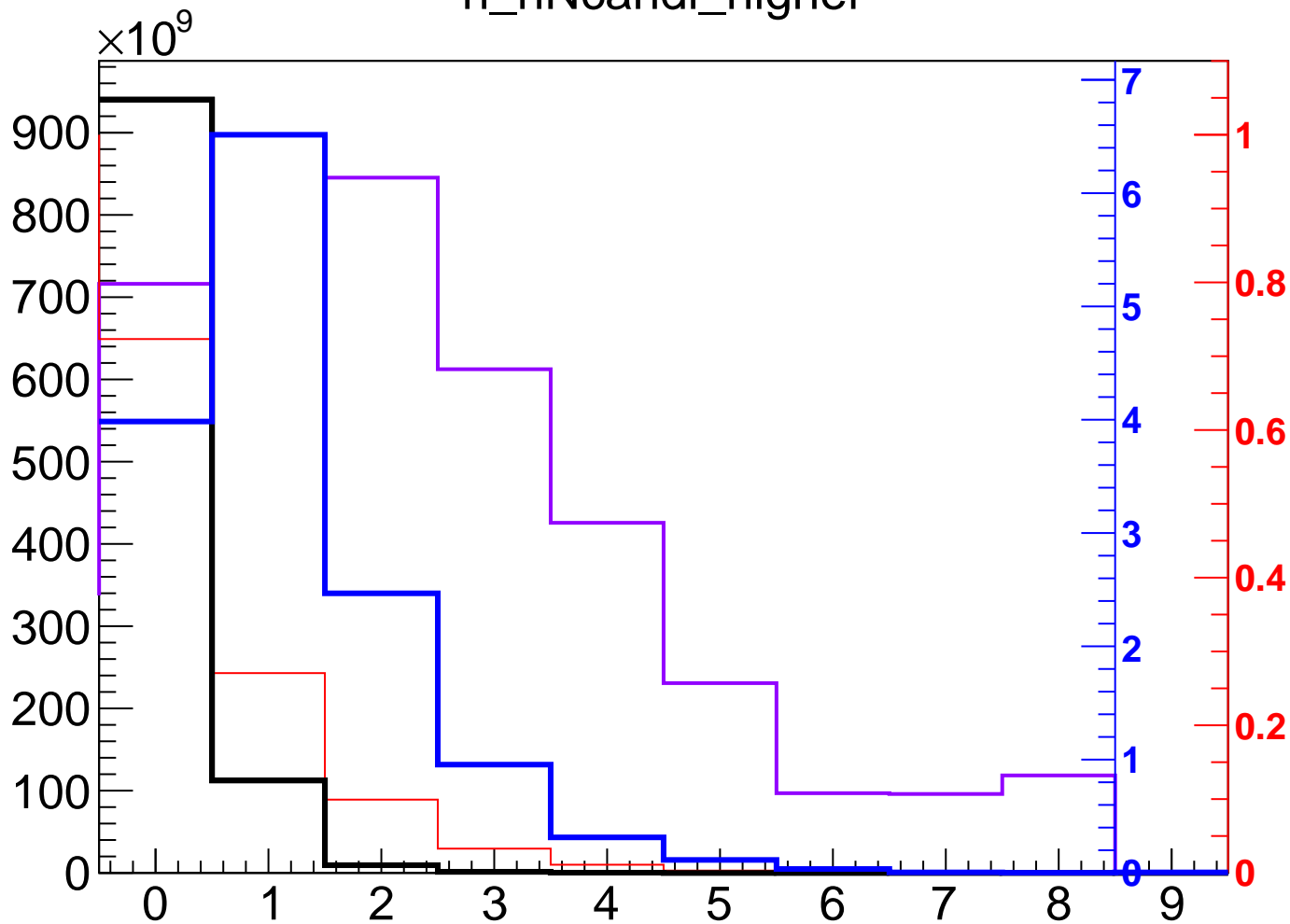
h\_ZptoHA0DeltaPhi\_higher



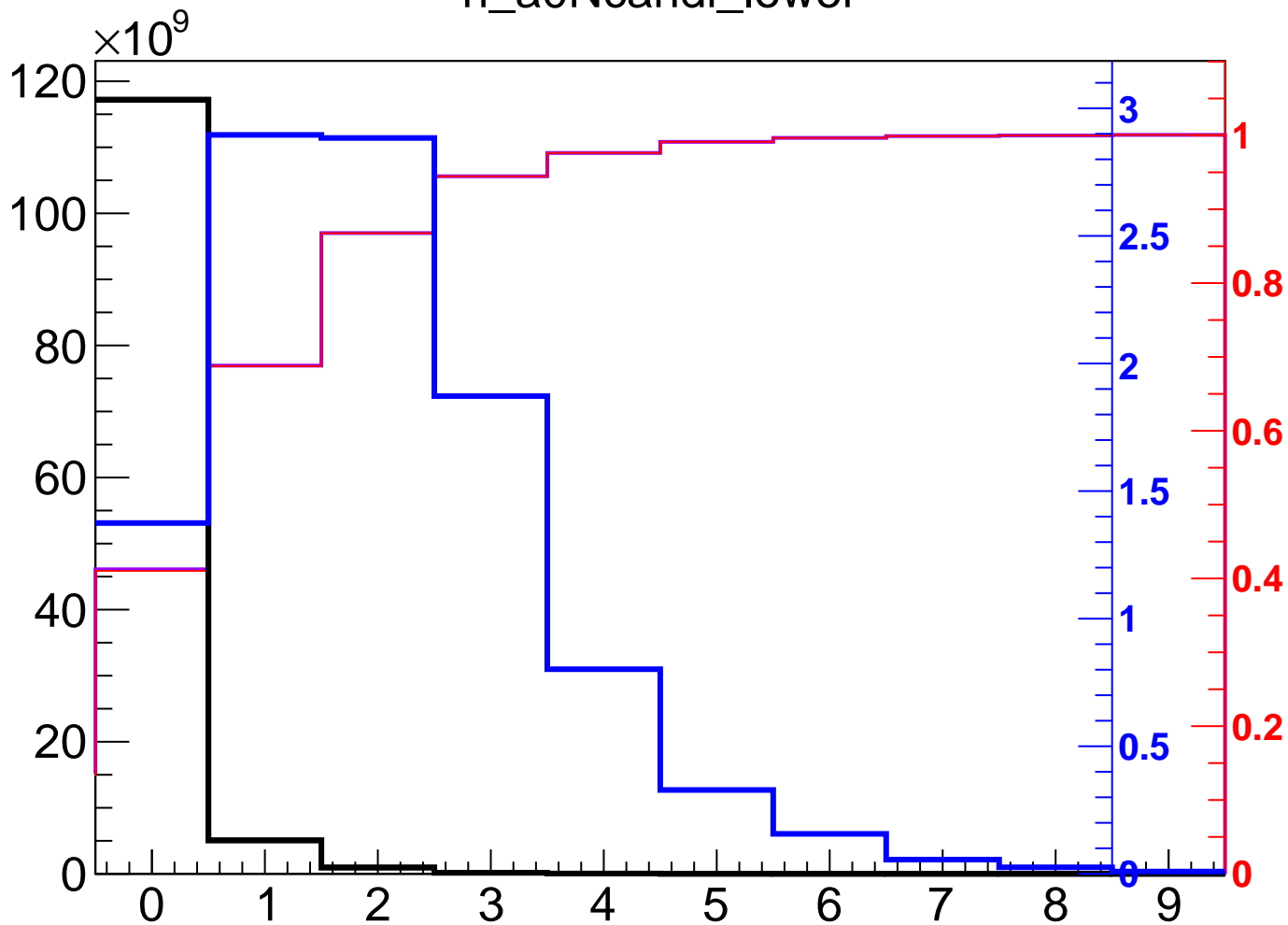
h\_hNcandi\_lower



h\_hNcandi\_higher

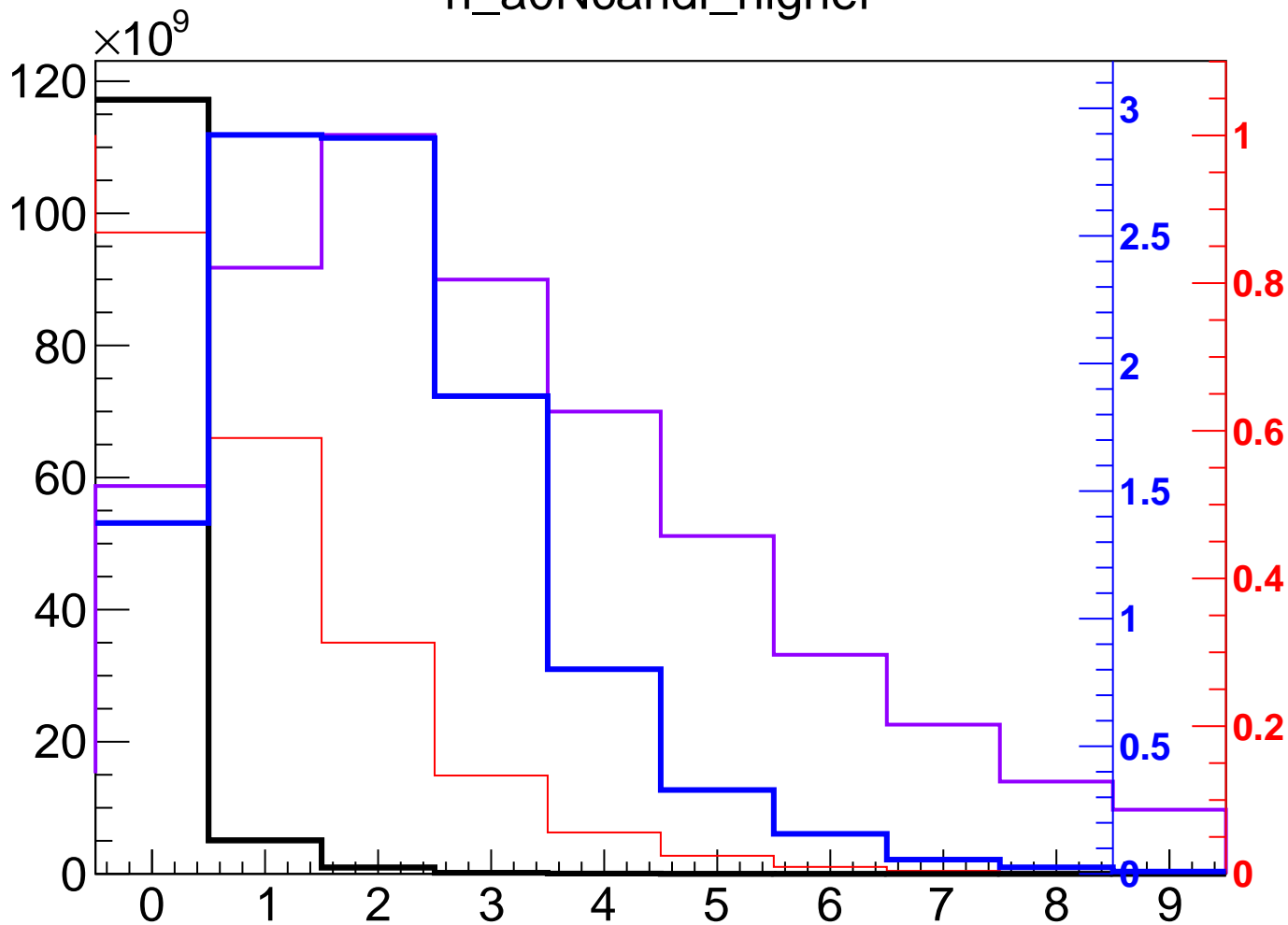


h\_a0Ncandi\_lower

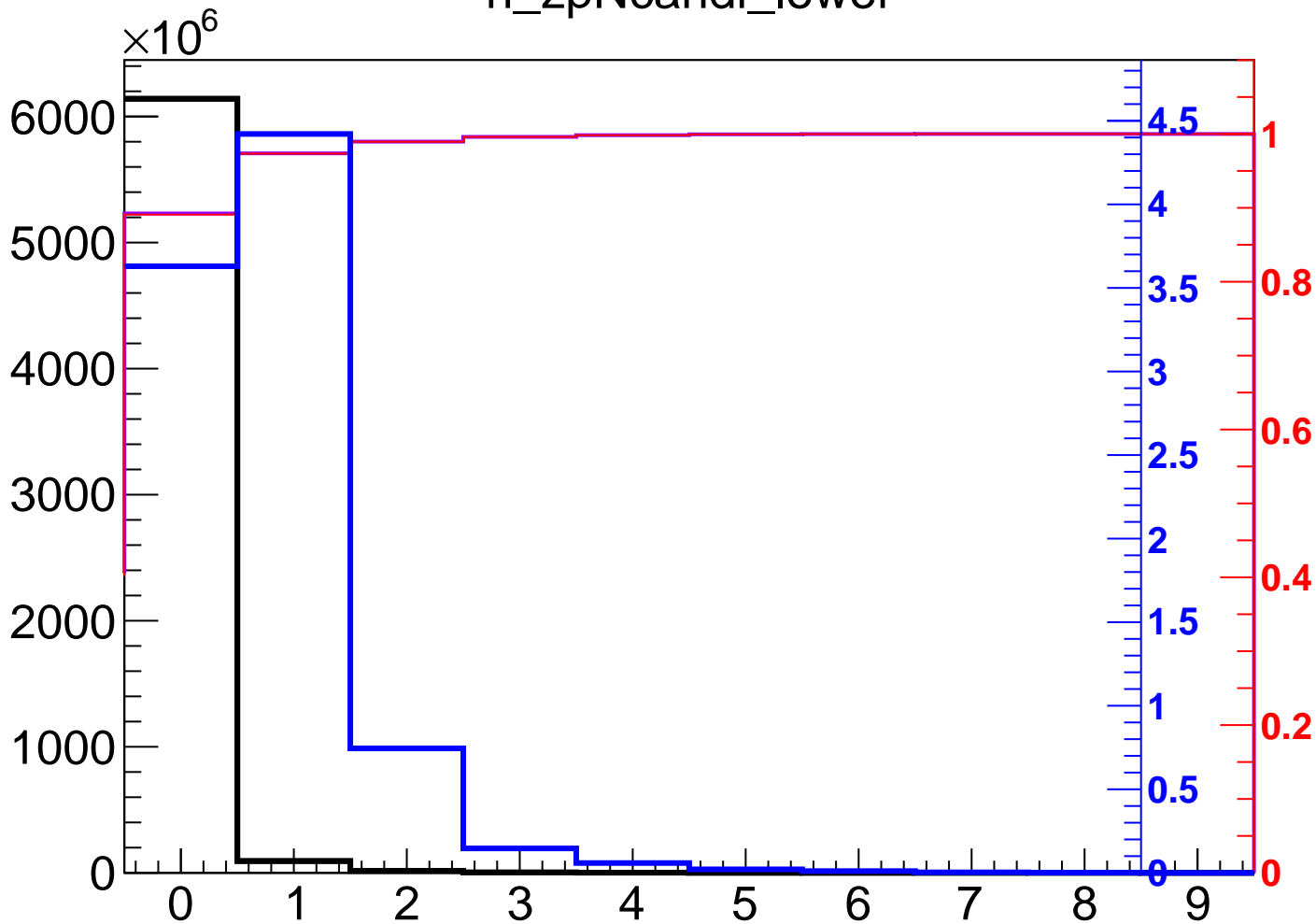




h\_a0Ncandi\_higher



h\_zpNcandi\_lower



h\_zpNcandi\_higher

