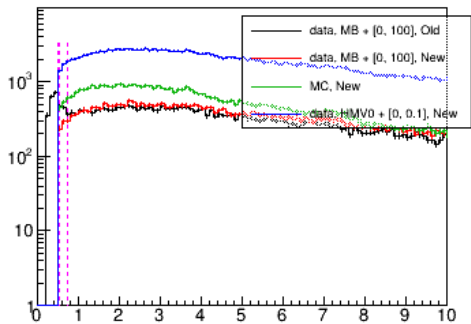
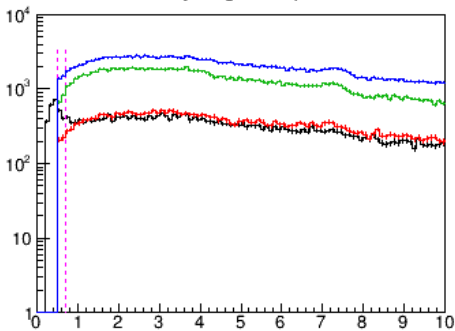


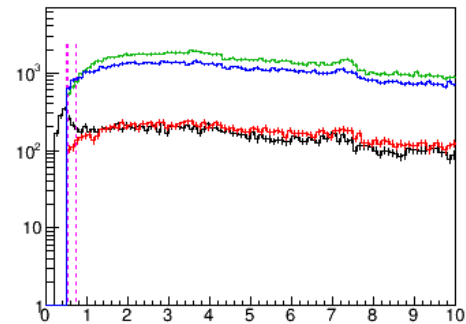
CascDecayLength, $1 < pT < 2$, RS



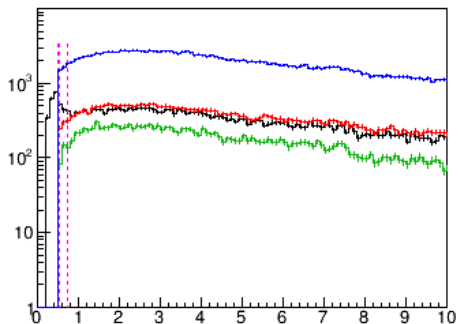
CascDecayLength, $2 < pT < 3$, RS



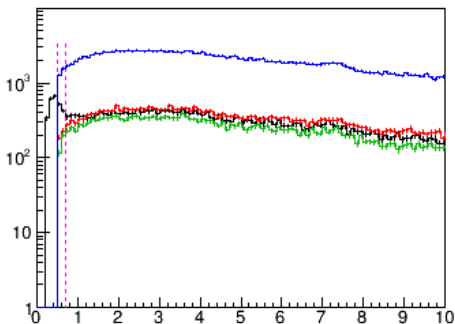
CascDecayLength, $3 < pT < 4$, RS



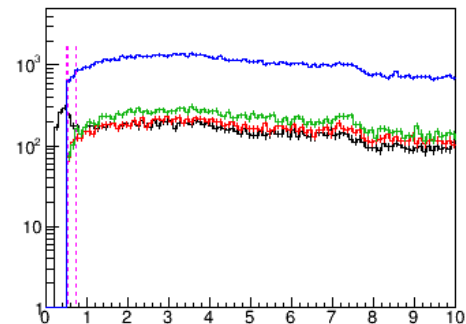
CascDecayLength, $1 < pT < 2$, WS



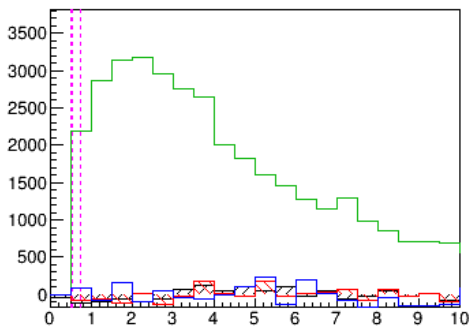
CascDecayLength, $2 < pT < 3$, WS



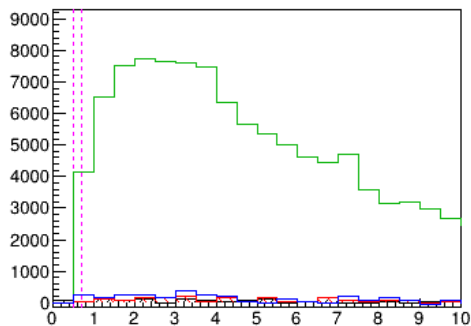
CascDecayLength, $3 < pT < 4$, WS



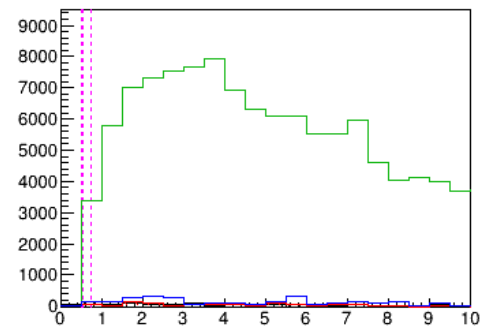
CascDecayLength, $1 < pT < 2$, RS - WS



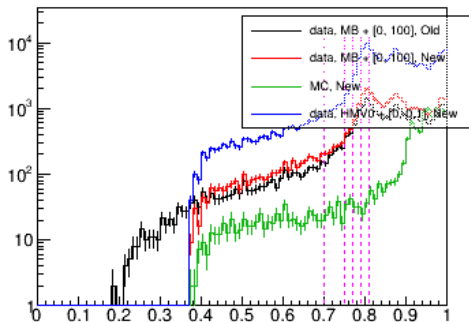
CascDecayLength, $2 < pT < 3$, RS - WS



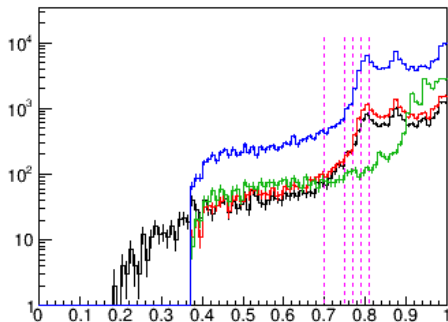
CascDecayLength, $3 < pT < 4$, RS - WS



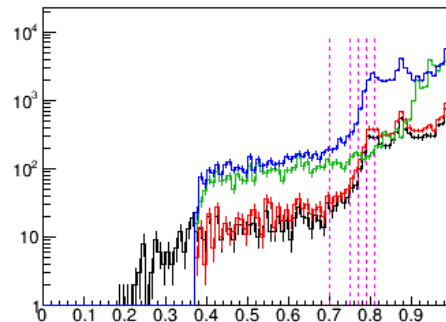
pion_crossedrows, 1 < pT < 2, RS



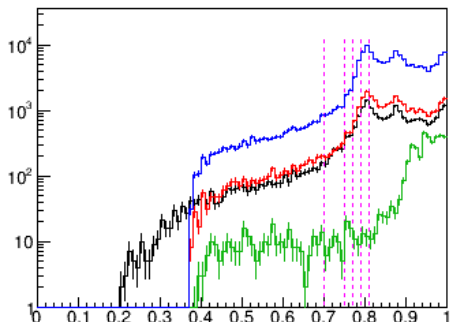
pion_crossedrows, 2 < pT < 3, RS



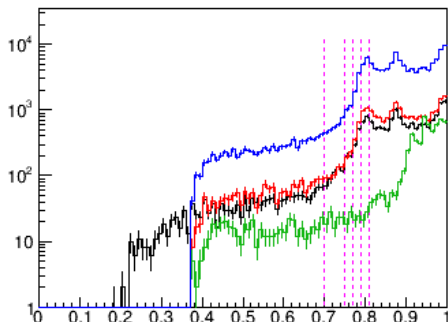
pion_crossedrows, 3 < pT < 4, RS



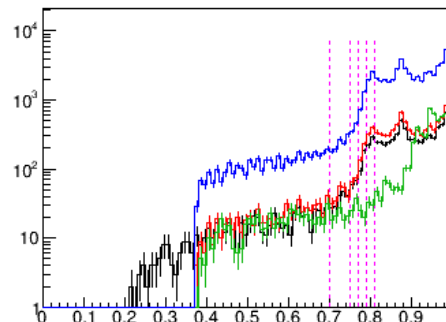
pion_crossedrows, 1 < pT < 2, WS



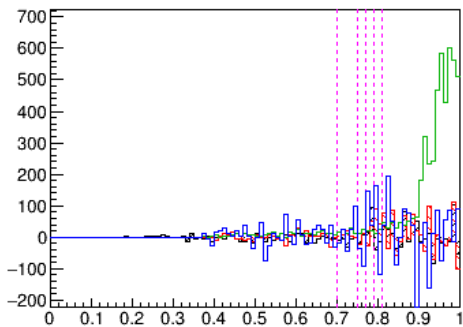
pion_crossedrows, 2 < pT < 3, WS



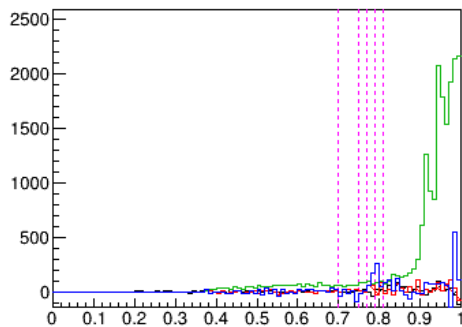
pion_crossedrows, 3 < pT < 4, WS



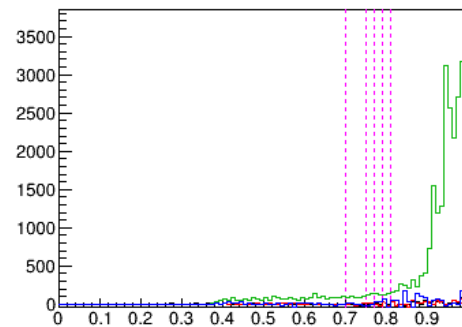
pion_crossedrows, 1 < pT < 2, RS - WS



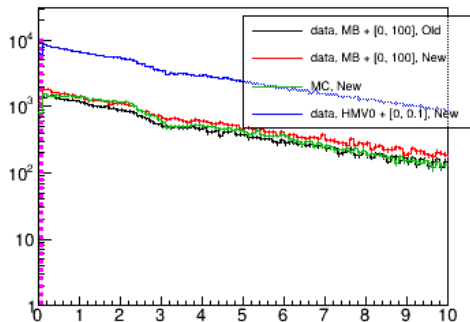
pion_crossedrows, 2 < pT < 3, RS - WS



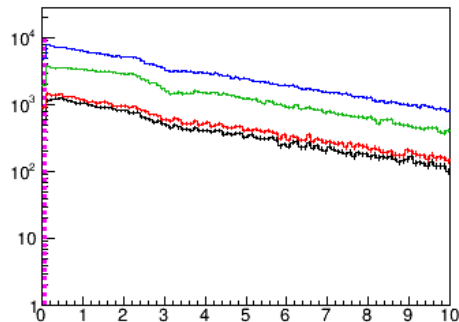
pion_crossedrows, 3 < pT < 4, RS - WS



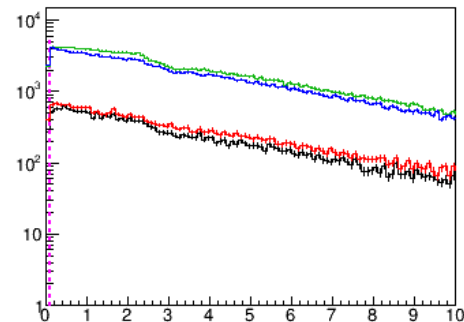
DCAV0NegToPrimVertex, 1 < pT < 2, RS



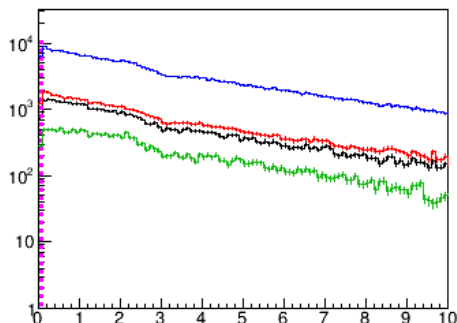
DCAV0NegToPrimVertex, 2 < pT < 3, RS



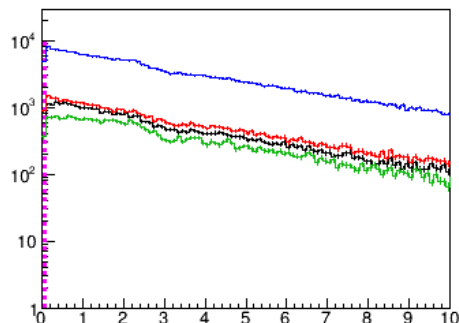
DCAV0NegToPrimVertex, 3 < pT < 4, RS



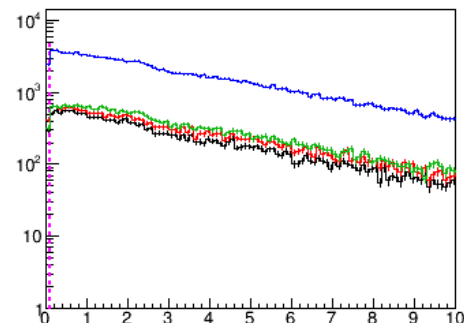
DCAV0NegToPrimVertex, 1 < pT < 2, WS



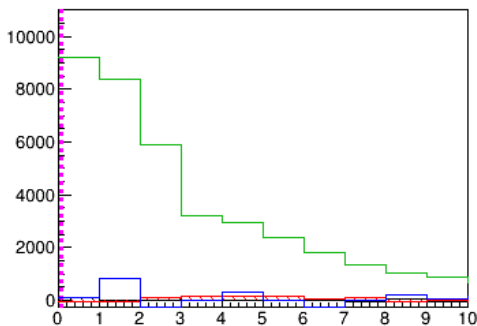
DCAV0NegToPrimVertex, 2 < pT < 3, WS



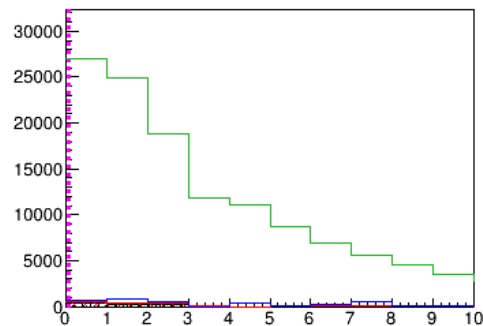
DCAV0NegToPrimVertex, 3 < pT < 4, WS



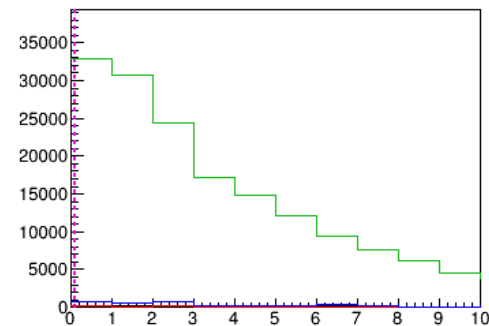
DCAV0NegToPrimVertex, 1 < pT < 2, RS - WS

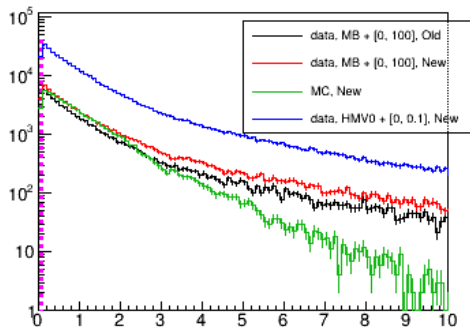
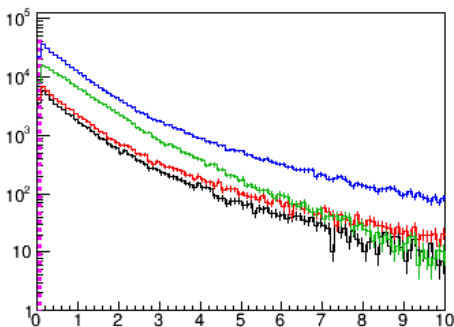
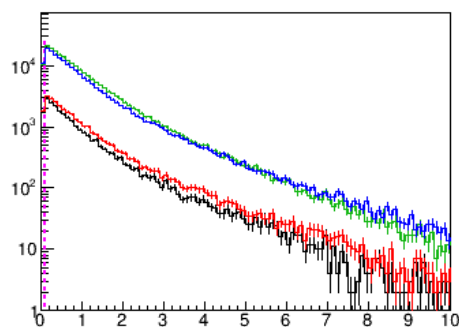
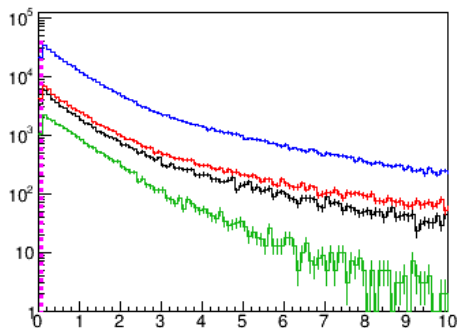
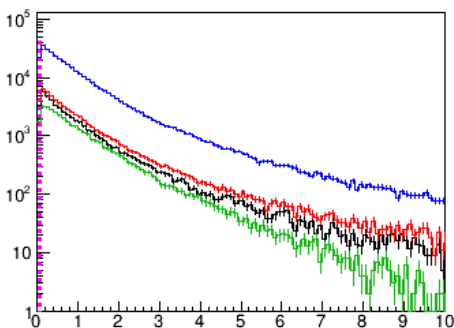
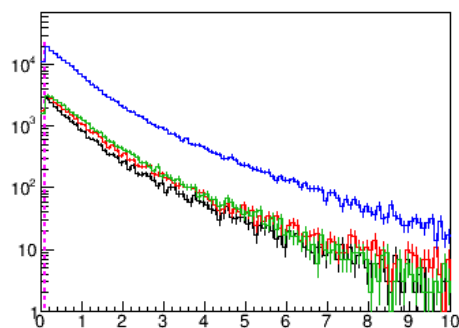
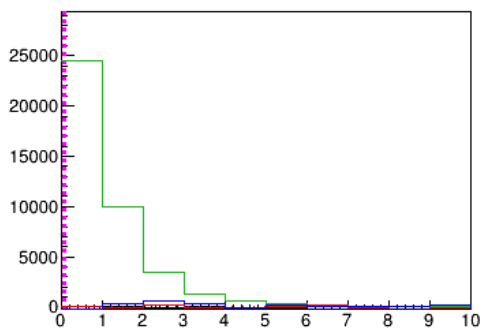
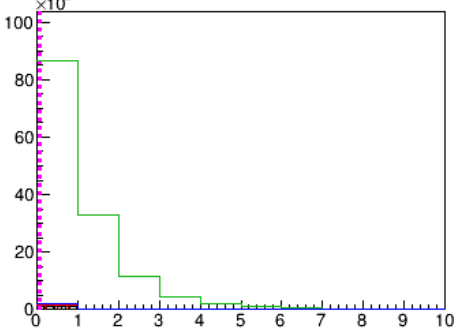
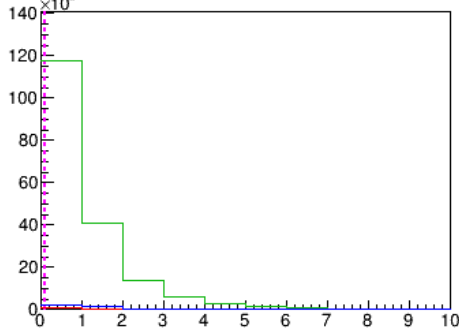


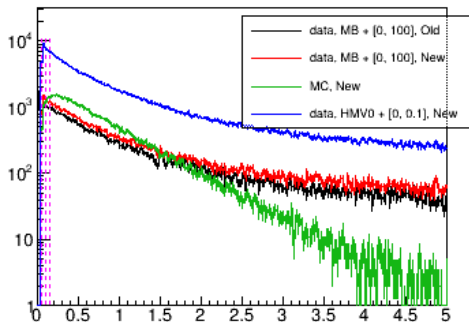
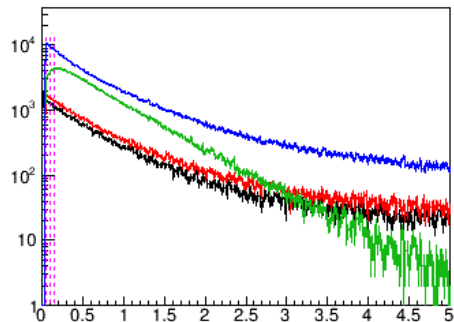
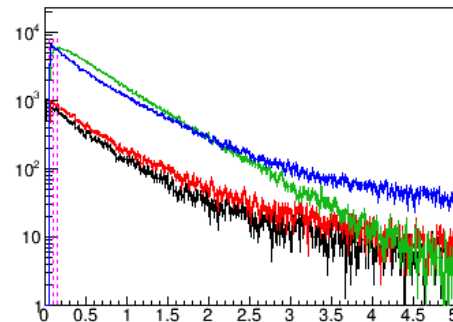
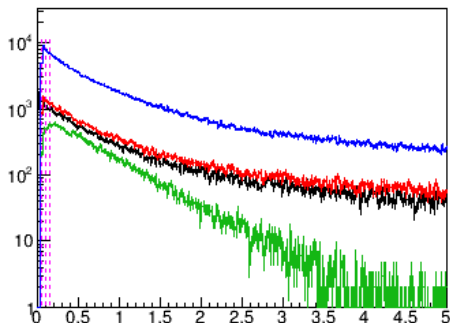
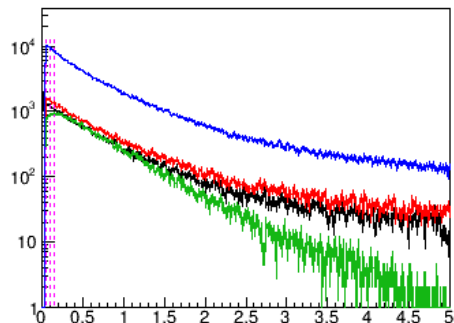
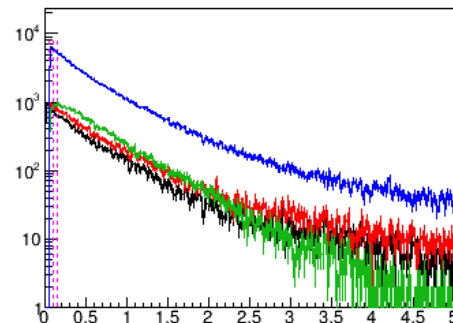
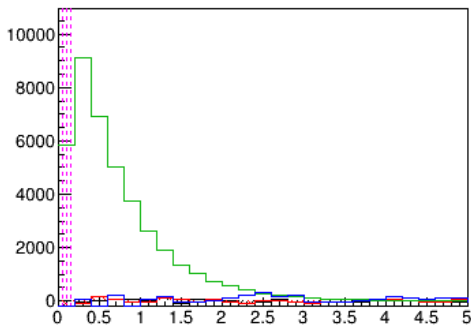
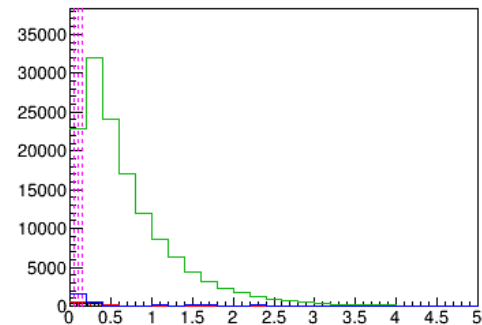
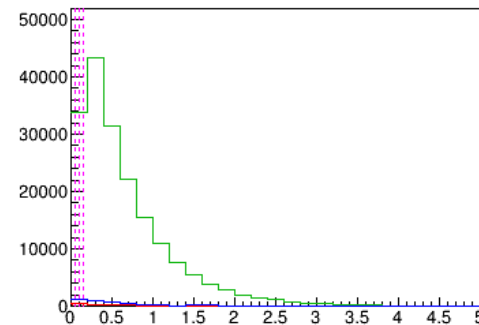
DCAV0NegToPrimVertex, 2 < pT < 3, RS - WS



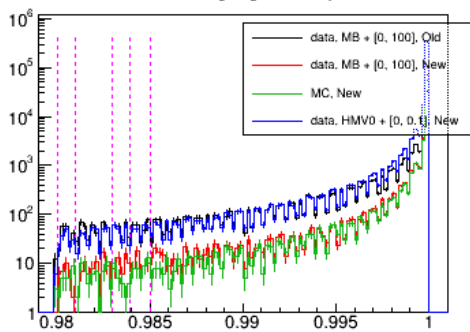
DCAV0NegToPrimVertex, 3 < pT < 4, RS - WS



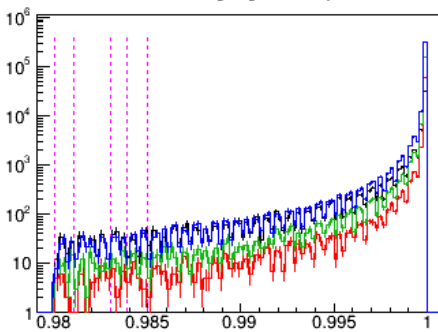
DCAV0PosToPrimVertex, $1 < pT < 2$, RSDCAV0PosToPrimVertex, $2 < pT < 3$, RSDCAV0PosToPrimVertex, $3 < pT < 4$, RSDCAV0PosToPrimVertex, $1 < pT < 2$, WSDCAV0PosToPrimVertex, $2 < pT < 3$, WSDCAV0PosToPrimVertex, $3 < pT < 4$, WSDCAV0PosToPrimVertex, $1 < pT < 2$, RS - WSDCAV0PosToPrimVertex, $2 < pT < 3$, RS - WSDCAV0PosToPrimVertex, $3 < pT < 4$, RS - WS

DCAV0ToPrimVertex, $1 < p_T < 2$, RSDCAV0ToPrimVertex, $2 < p_T < 3$, RSDCAV0ToPrimVertex, $3 < p_T < 4$, RSDCAV0ToPrimVertex, $1 < p_T < 2$, WSDCAV0ToPrimVertex, $2 < p_T < 3$, WSDCAV0ToPrimVertex, $3 < p_T < 4$, WSDCAV0ToPrimVertex, $1 < p_T < 2$, RS - WSDCAV0ToPrimVertex, $2 < p_T < 3$, RS - WSDCAV0ToPrimVertex, $3 < p_T < 4$, RS - WS

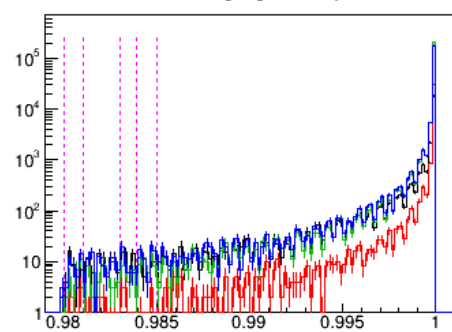
V0CosineOfPoiningAngleXi, 1 < pT < 2, RS



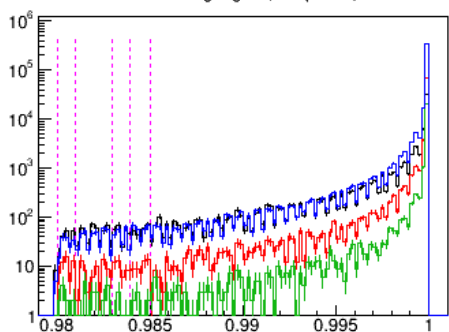
V0CosineOfPoiningAngleXi, 2 < pT < 3, RS



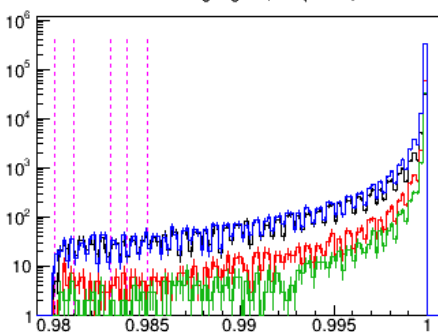
V0CosineOfPoiningAngleXi, 3 < pT < 4, RS



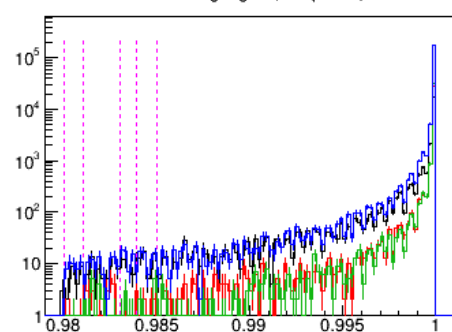
V0CosineOfPoiningAngleXi, 1 < pT < 2, WS



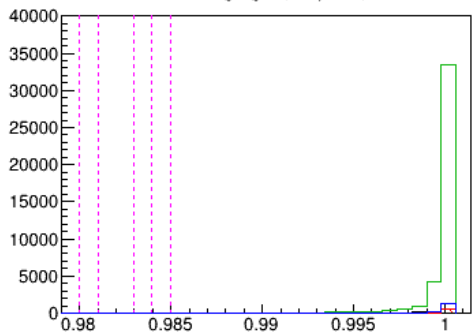
V0CosineOfPoiningAngleXi, 2 < pT < 3, WS



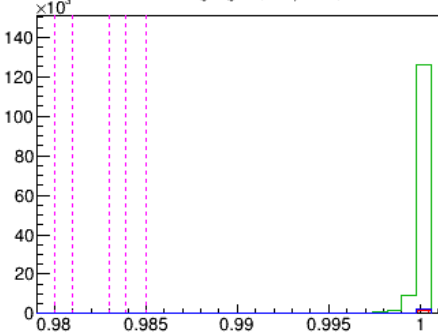
V0CosineOfPoiningAngleXi, 3 < pT < 4, WS



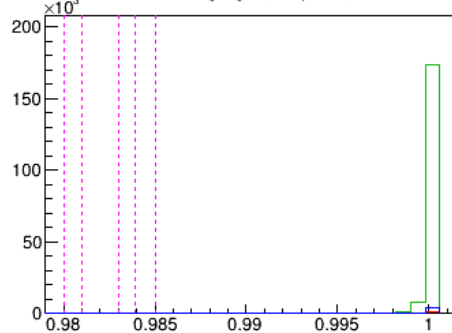
V0CosineOfPoiningAngleXi, 1 < pT < 2, RS - WS



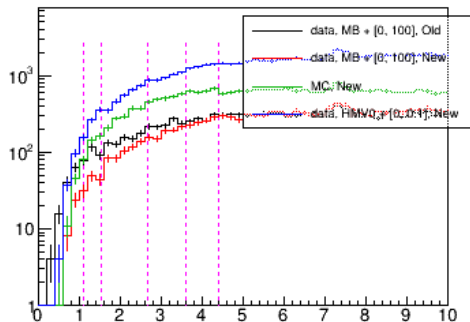
V0CosineOfPoiningAngleXi, 2 < pT < 3, RS - WS



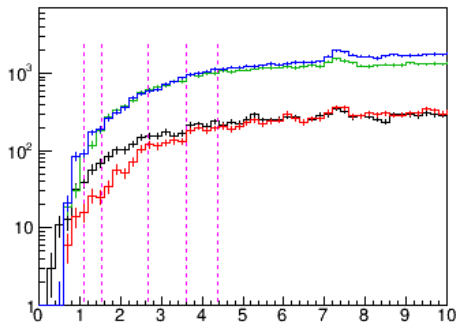
V0CosineOfPoiningAngleXi, 3 < pT < 4, RS - WS



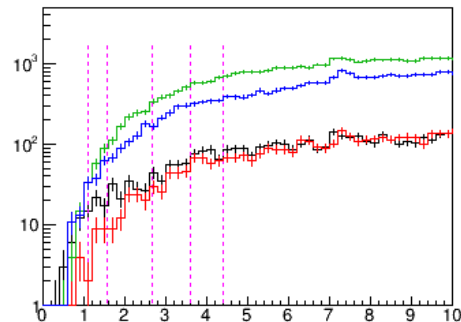
V0DecayLength, 1 < pT < 2, RS



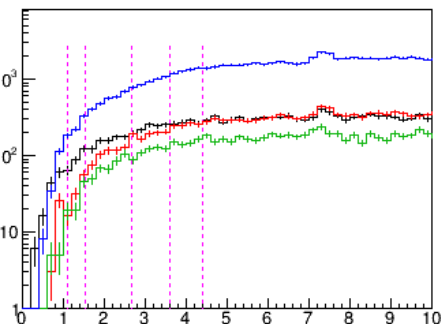
V0DecayLength, 2 < pT < 3, RS



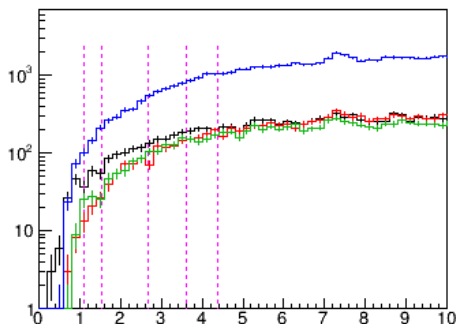
V0DecayLength, 3 < pT < 4, RS



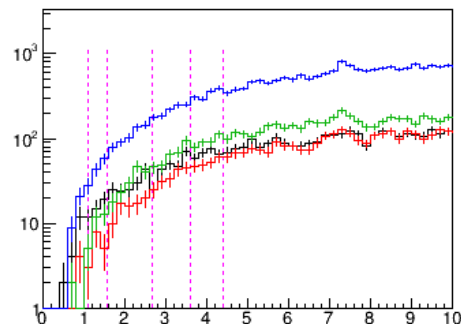
V0DecayLength, 1 < pT < 2, WS



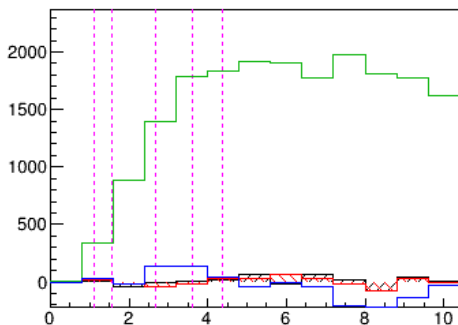
V0DecayLength, 2 < pT < 3, WS



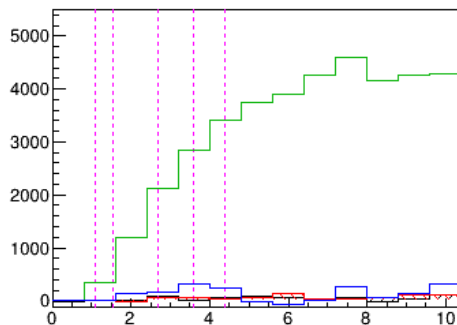
V0DecayLength, 3 < pT < 4, WS



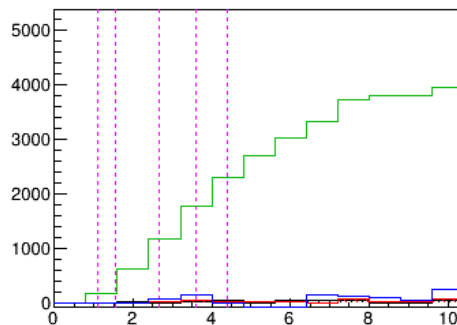
V0DecayLength, 1 < pT < 2, RS - WS



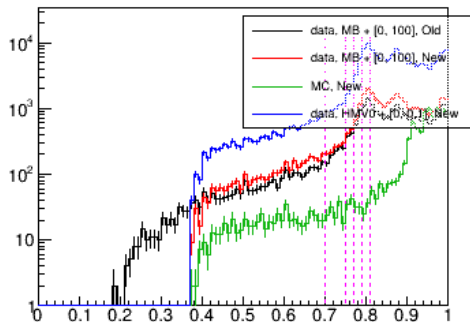
V0DecayLength, 2 < pT < 3, RS - WS



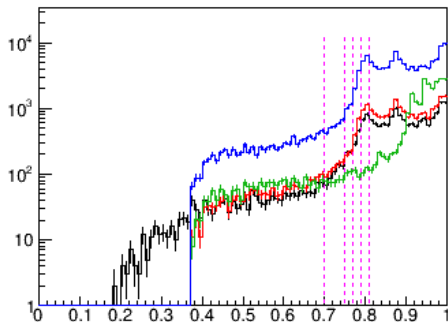
V0DecayLength, 3 < pT < 4, RS - WS



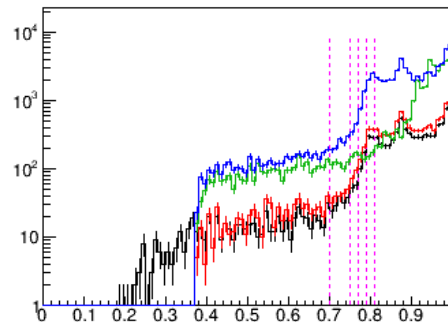
pion_crossedrows, 1 < pT < 2, RS



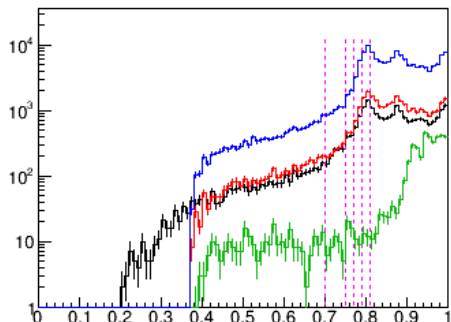
pion_crossedrows, 2 < pT < 3, RS



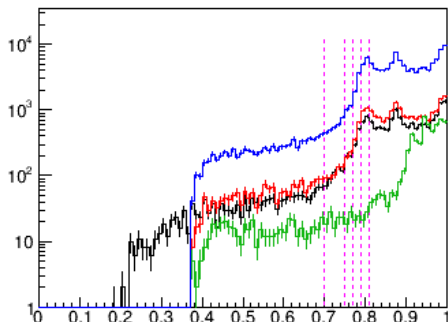
pion_crossedrows, 3 < pT < 4, RS



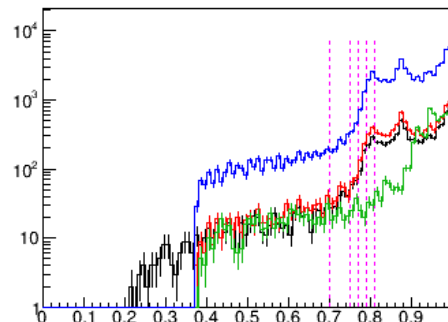
pion_crossedrows, 1 < pT < 2, WS



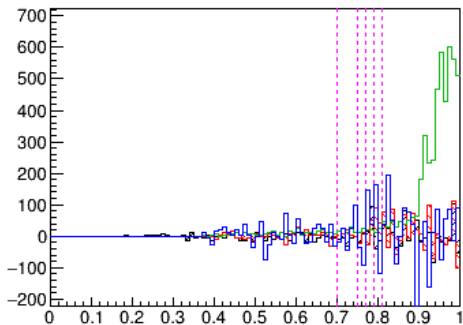
pion_crossedrows, 2 < pT < 3, WS



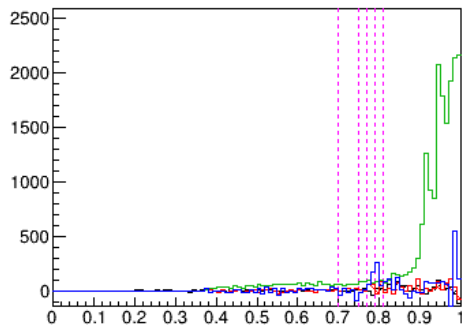
pion_crossedrows, 3 < pT < 4, WS



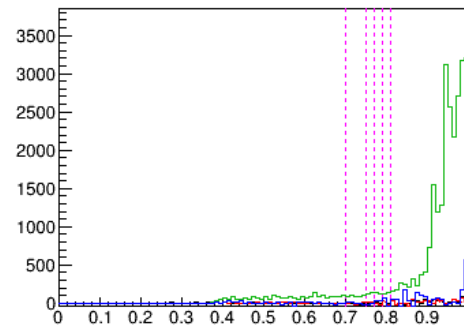
pion_crossedrows, 1 < pT < 2, RS - WS

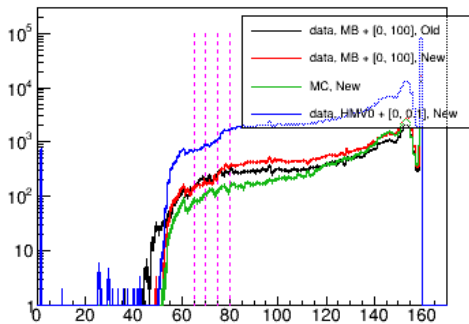
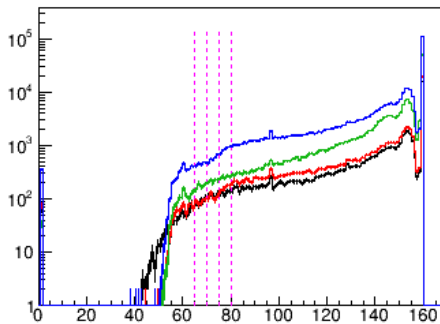
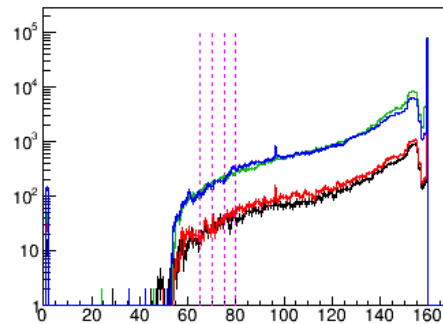
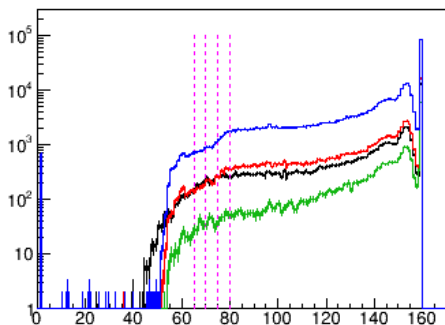
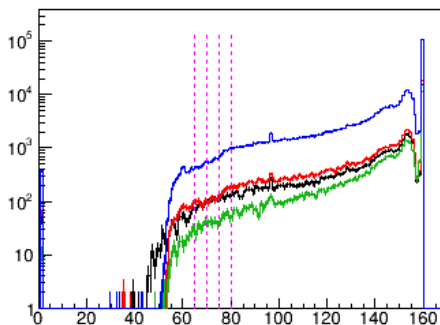
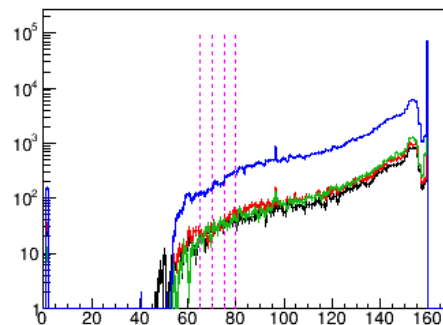
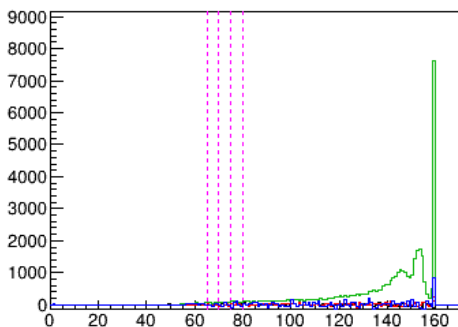
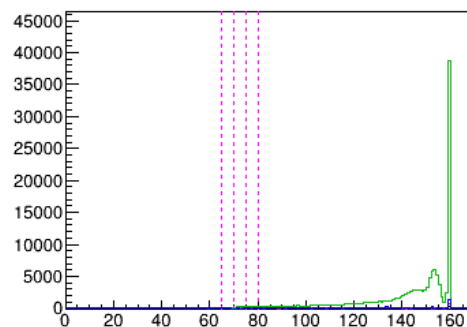
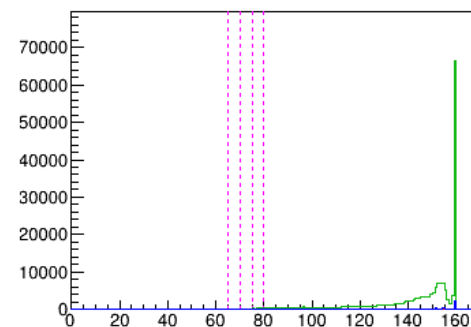


pion_crossedrows, 2 < pT < 3, RS - WS

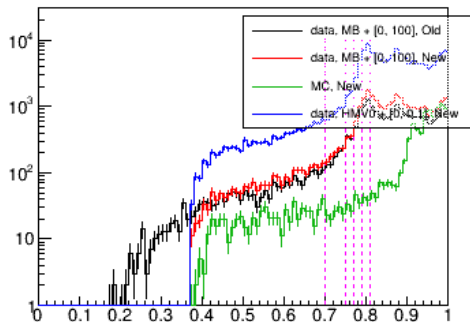


pion_crossedrows, 3 < pT < 4, RS - WS

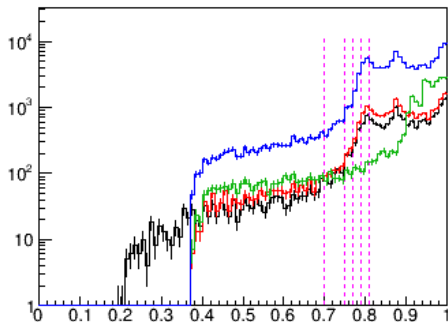


pion_findable, $1 < p_T < 2$, RSpion_findable, $2 < p_T < 3$, RSpion_findable, $3 < p_T < 4$, RSpion_findable, $1 < p_T < 2$, WSpion_findable, $2 < p_T < 3$, WSpion_findable, $3 < p_T < 4$, WSpion_findable, $1 < p_T < 2$, RS - WSpion_findable, $2 < p_T < 3$, RS - WSpion_findable, $3 < p_T < 4$, RS - WS

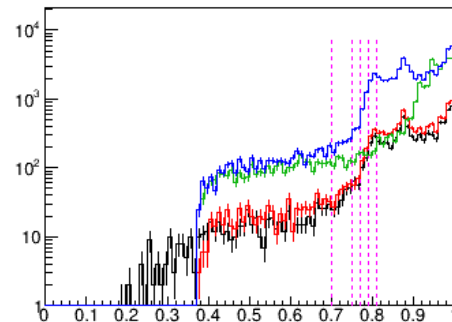
proton_crossedrows, 1 < pT < 2, RS



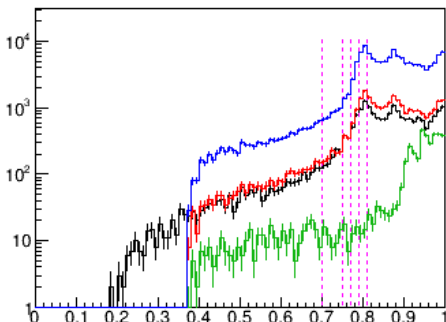
proton_crossedrows, 2 < pT < 3, RS



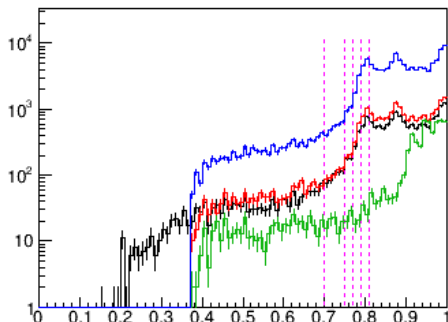
proton_crossedrows, 3 < pT < 4, RS



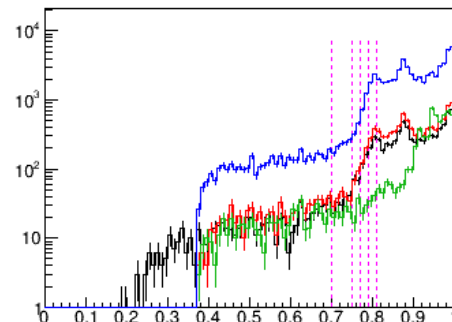
proton_crossedrows, 1 < pT < 2, WS



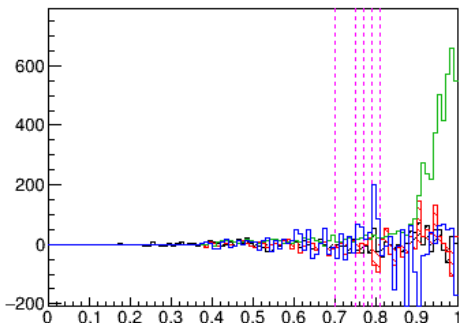
proton_crossedrows, 2 < pT < 3, WS



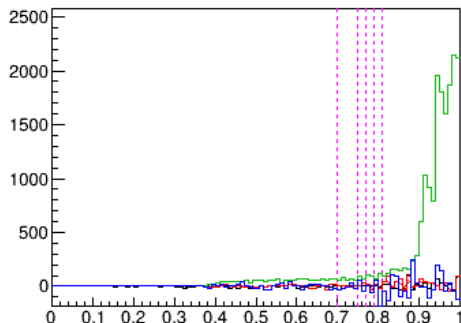
proton_crossedrows, 3 < pT < 4, WS



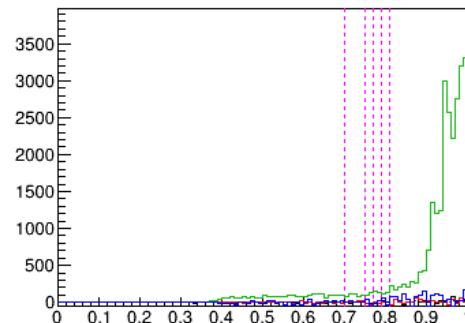
proton_crossedrows, 1 < pT < 2, RS - WS



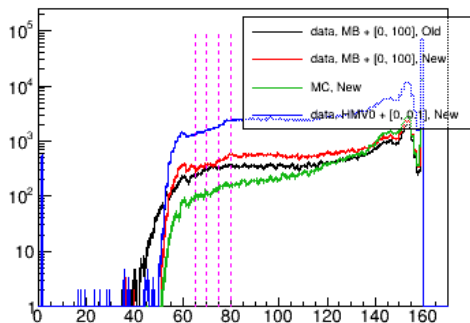
proton_crossedrows, 2 < pT < 3, RS - WS



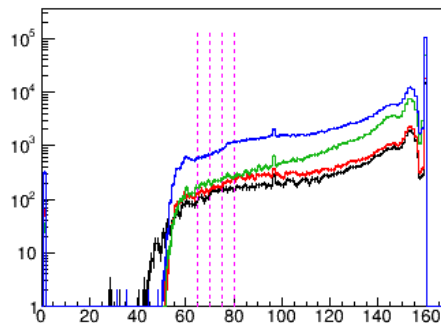
proton_crossedrows, 3 < pT < 4, RS - WS



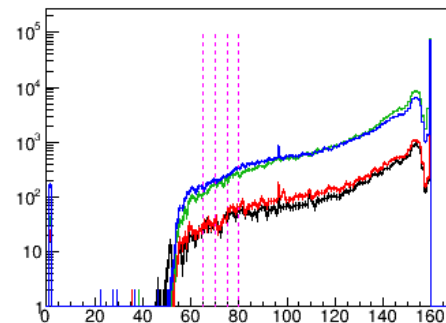
proton_findable, 1 < pT < 2, RS



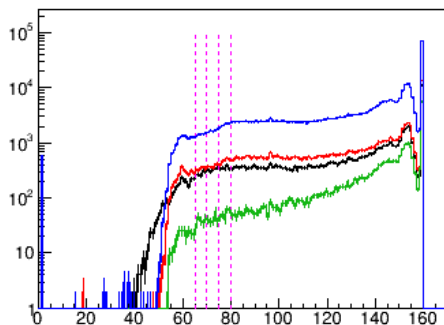
proton_findable, 2 < pT < 3, RS



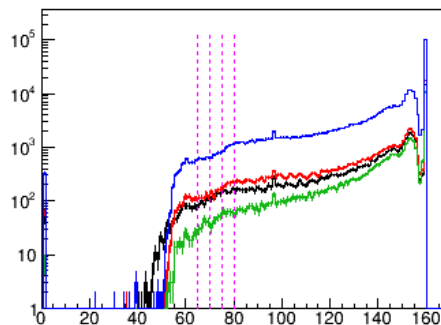
proton_findable, 3 < pT < 4, RS



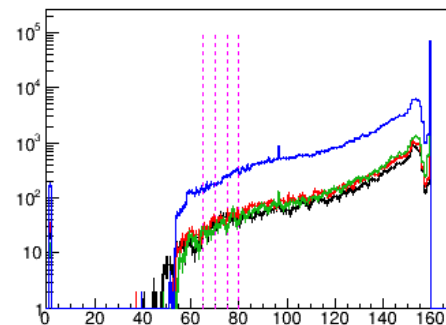
proton_findable, 1 < pT < 2, WS



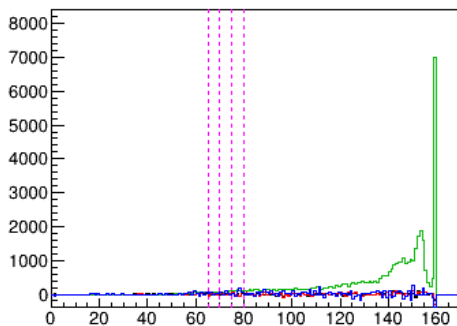
proton_findable, 2 < pT < 3, WS



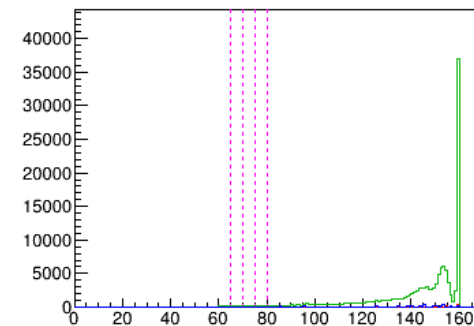
proton_findable, 3 < pT < 4, WS



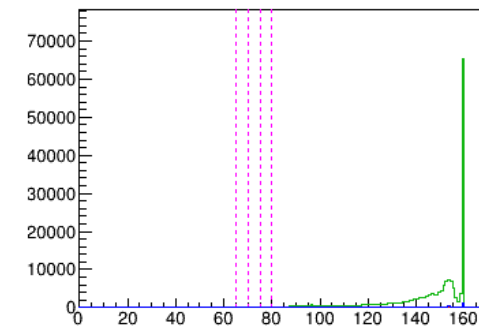
proton_findable, 1 < pT < 2, RS - WS

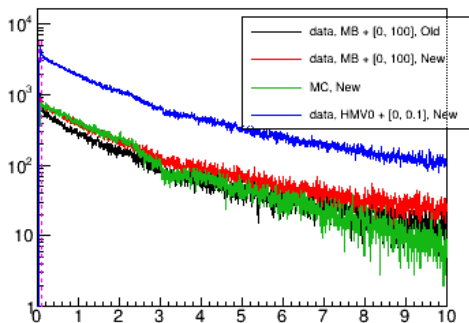
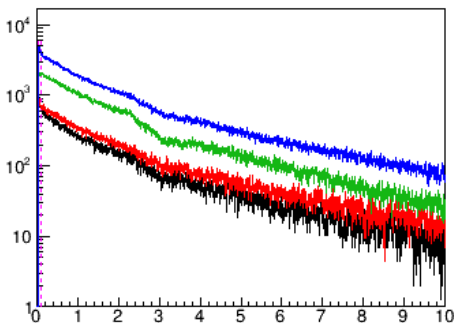
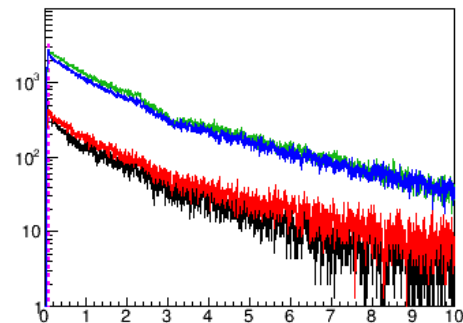
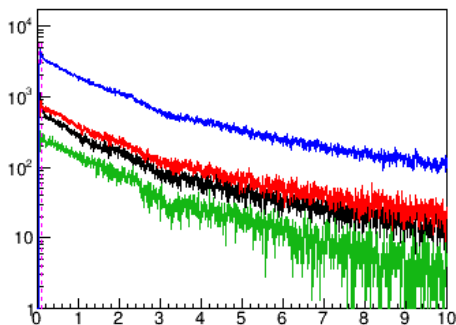
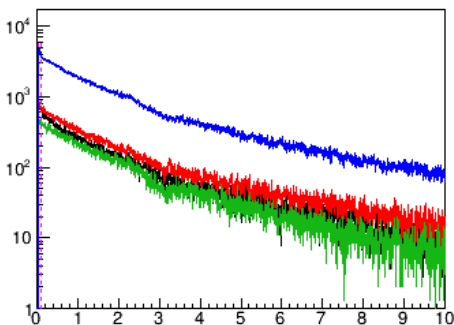
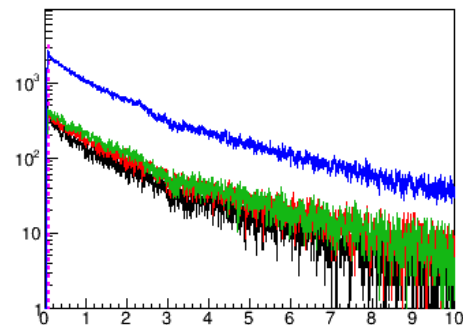
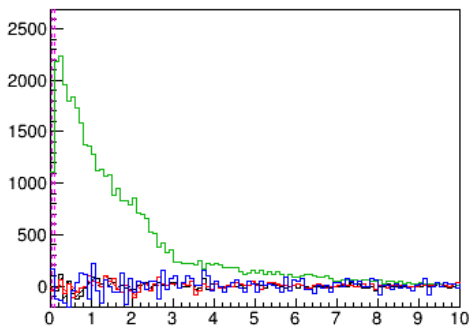
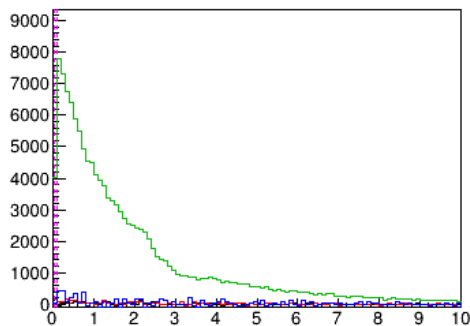
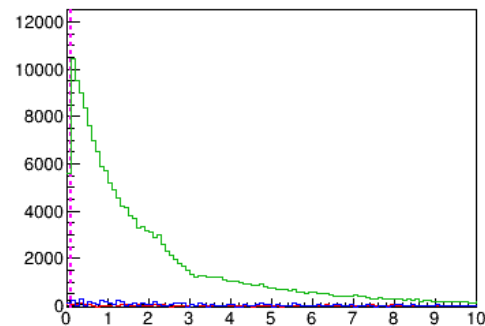


proton_findable, 2 < pT < 3, RS - WS

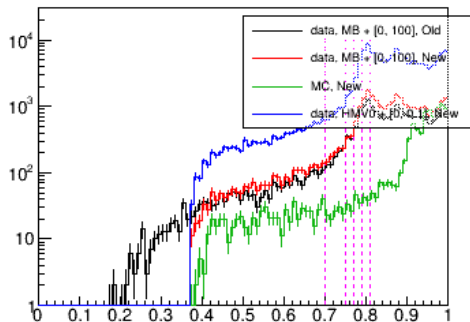


proton_findable, 3 < pT < 4, RS - WS

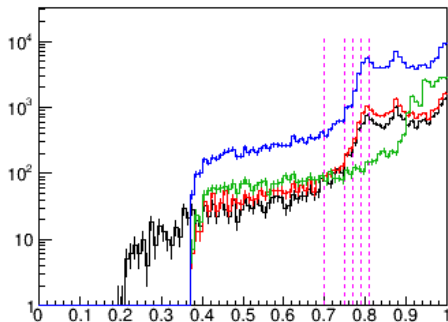


DCABachToPrimVertex, $1 < p_T < 2$, RSDCABachToPrimVertex, $2 < p_T < 3$, RSDCABachToPrimVertex, $3 < p_T < 4$, RSDCABachToPrimVertex, $1 < p_T < 2$, WSDCABachToPrimVertex, $2 < p_T < 3$, WSDCABachToPrimVertex, $3 < p_T < 4$, WSDCABachToPrimVertex, $1 < p_T < 2$, RS - WSDCABachToPrimVertex, $2 < p_T < 3$, RS - WSDCABachToPrimVertex, $3 < p_T < 4$, RS - WS

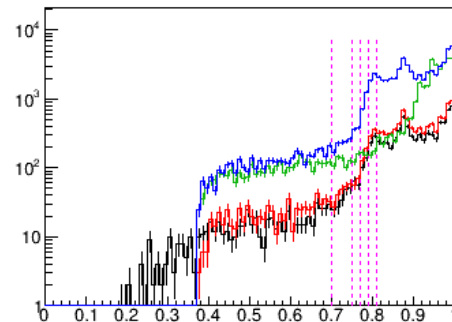
proton_crossedrows, 1 < pT < 2, RS



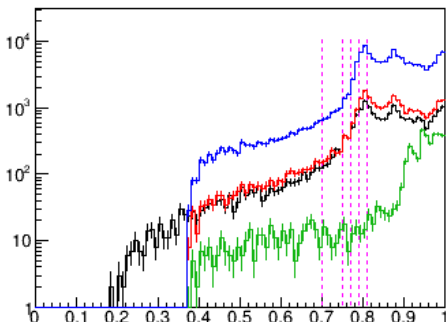
proton_crossedrows, 2 < pT < 3, RS



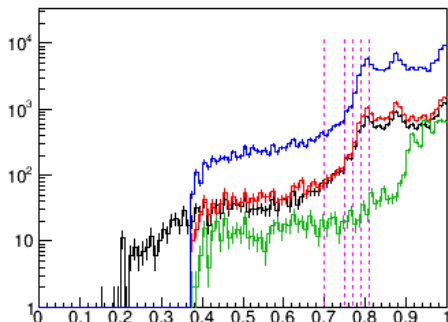
proton_crossedrows, 3 < pT < 4, RS



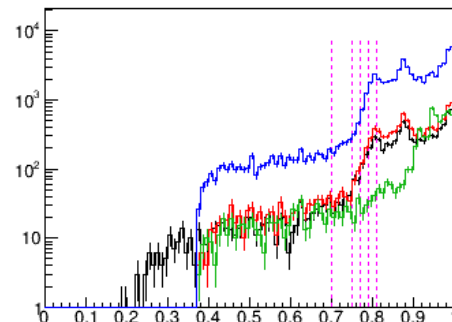
proton_crossedrows, 1 < pT < 2, WS



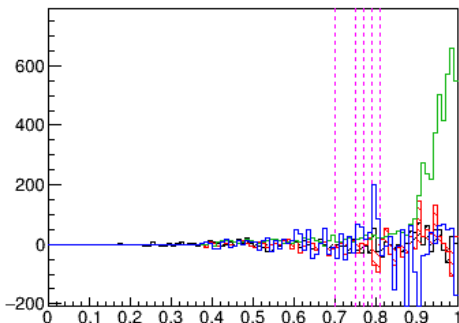
proton_crossedrows, 2 < pT < 3, WS



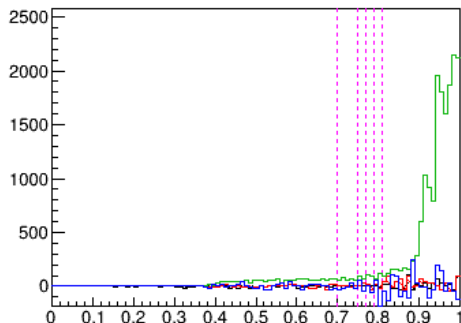
proton_crossedrows, 3 < pT < 4, WS



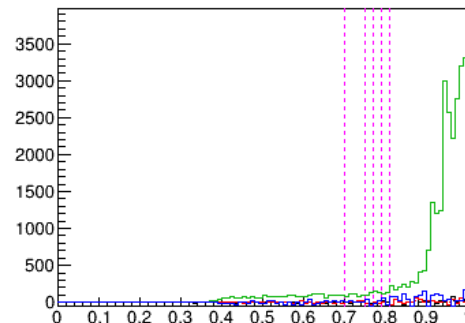
proton_crossedrows, 1 < pT < 2, RS - WS



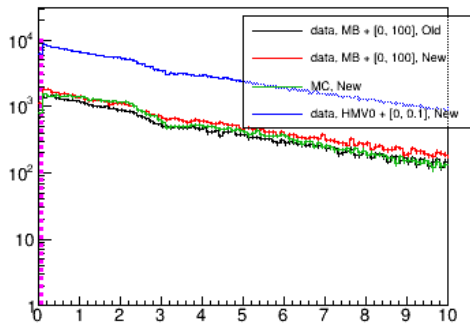
proton_crossedrows, 2 < pT < 3, RS - WS



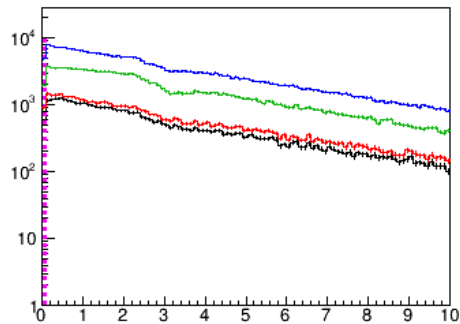
proton_crossedrows, 3 < pT < 4, RS - WS



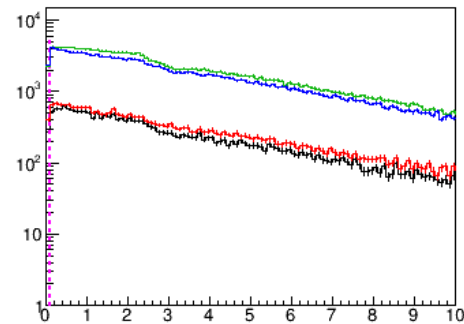
DCAV0NegToPrimVertex, 1 < pT < 2, RS



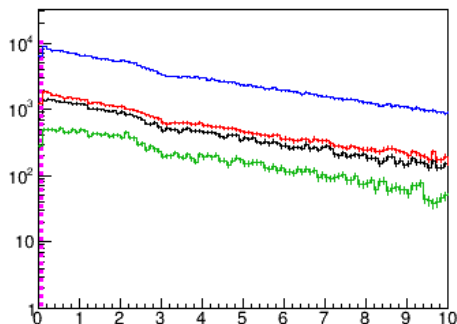
DCAV0NegToPrimVertex, 2 < pT < 3, RS



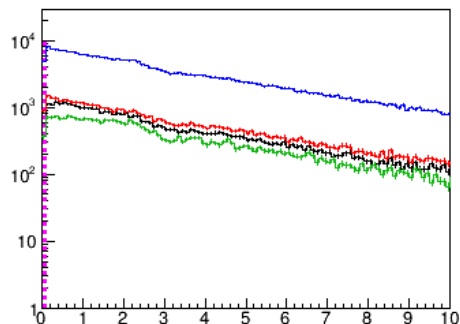
DCAV0NegToPrimVertex, 3 < pT < 4, RS



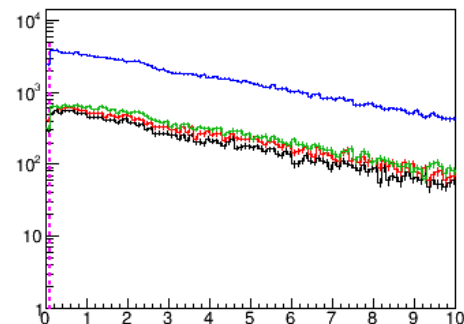
DCAV0NegToPrimVertex, 1 < pT < 2, WS



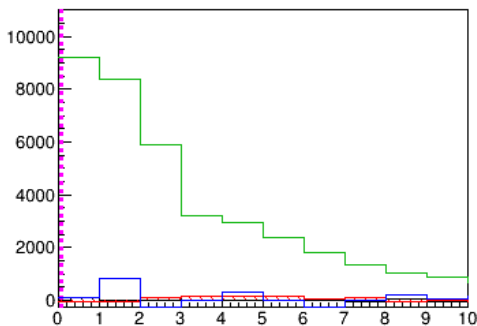
DCAV0NegToPrimVertex, 2 < pT < 3, WS



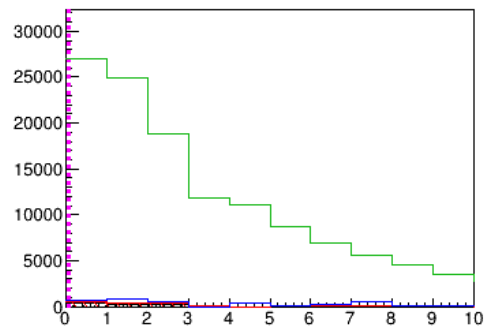
DCAV0NegToPrimVertex, 3 < pT < 4, WS



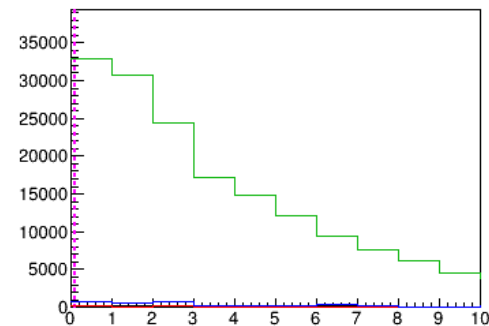
DCAV0NegToPrimVertex, 1 < pT < 2, RS - WS



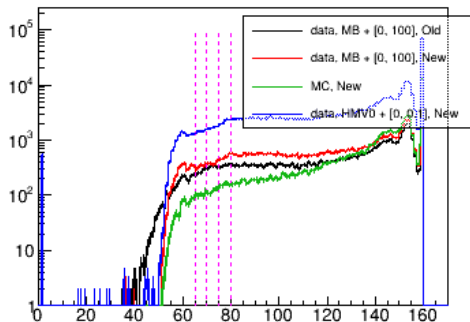
DCAV0NegToPrimVertex, 2 < pT < 3, RS - WS



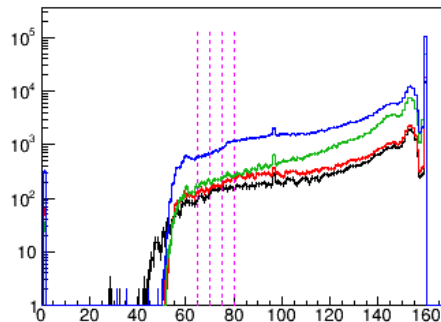
DCAV0NegToPrimVertex, 3 < pT < 4, RS - WS



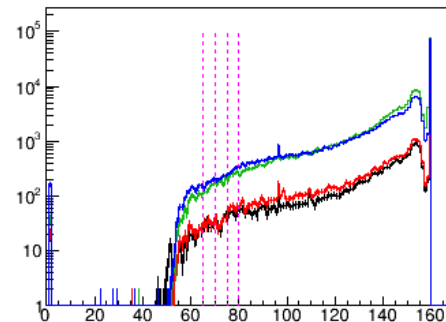
proton_findable, 1 < pT < 2, RS



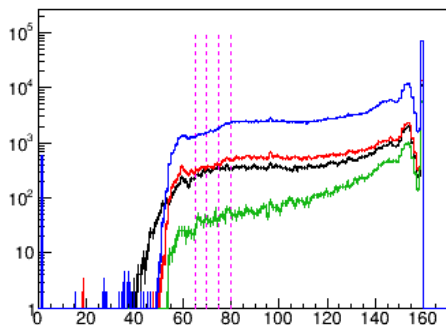
proton_findable, 2 < pT < 3, RS



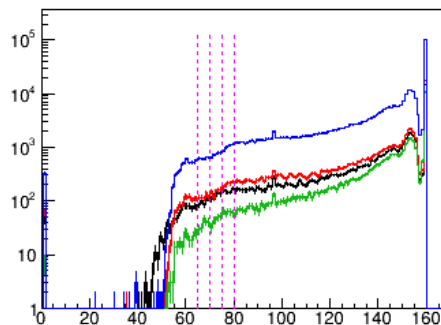
proton_findable, 3 < pT < 4, RS



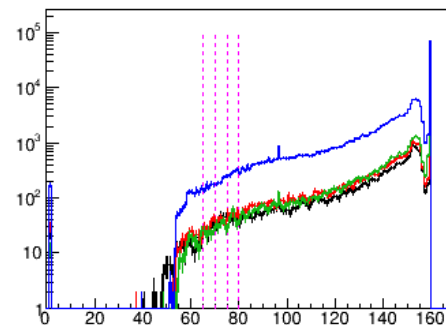
proton_findable, 1 < pT < 2, WS



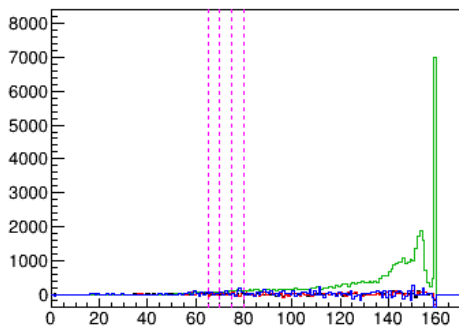
proton_findable, 2 < pT < 3, WS



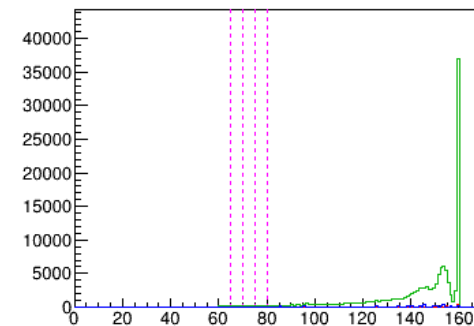
proton_findable, 3 < pT < 4, WS



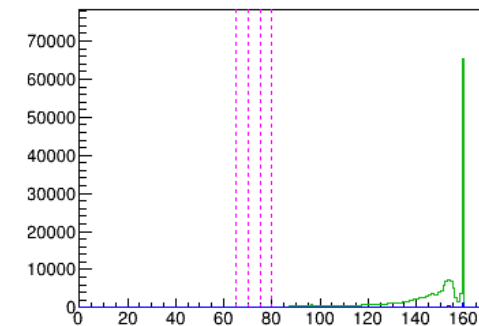
proton_findable, 1 < pT < 2, RS - WS

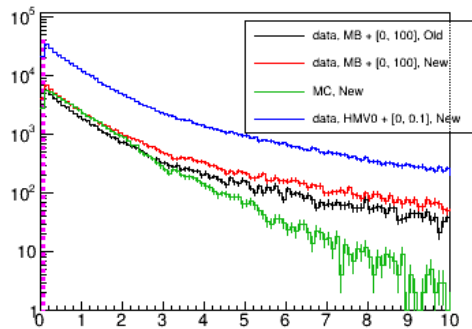
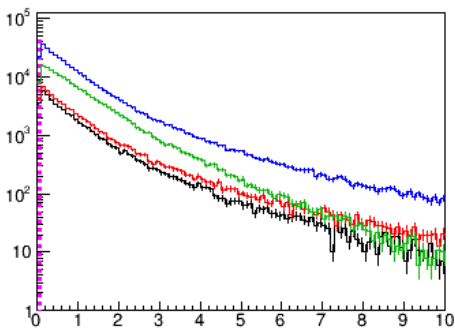
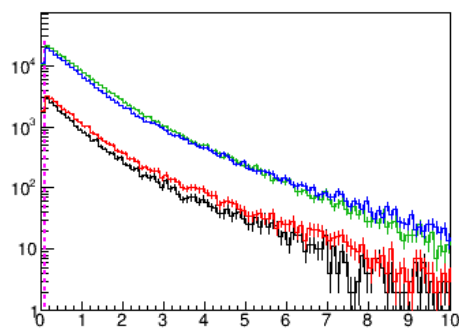
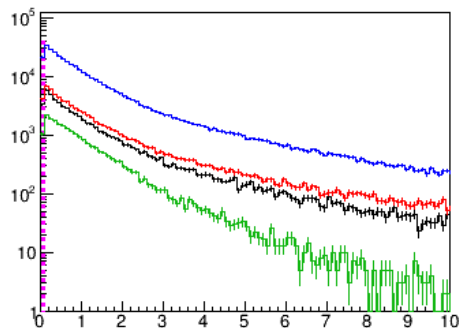
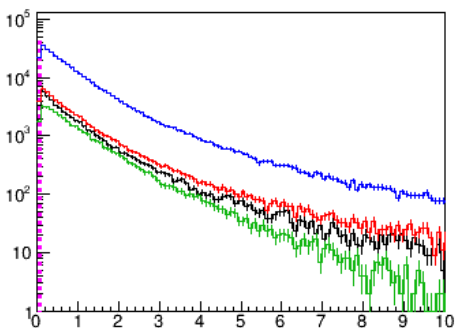
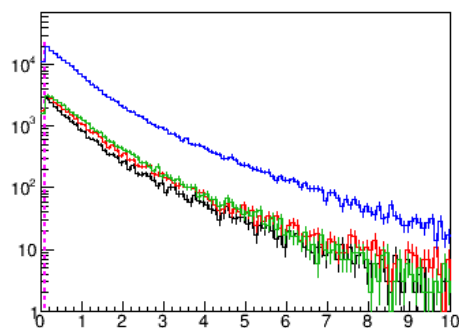
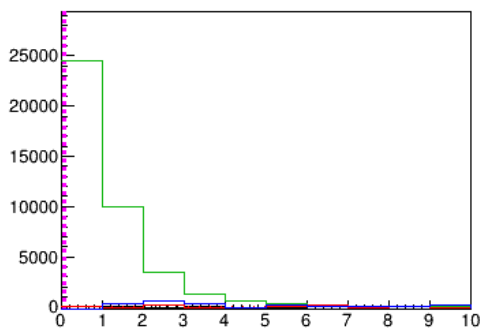
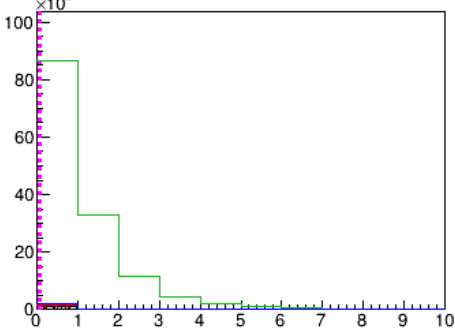
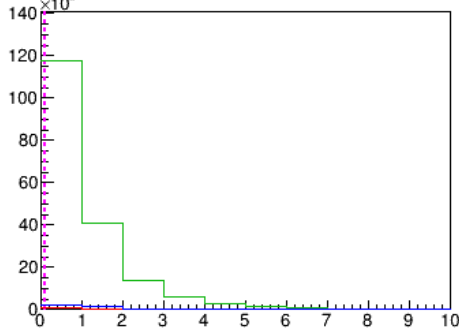


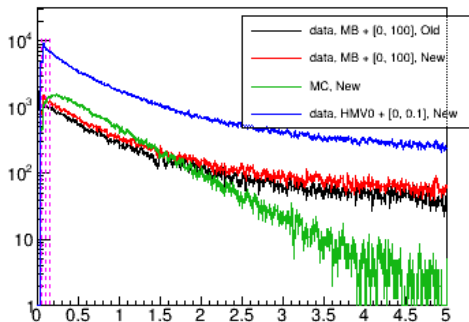
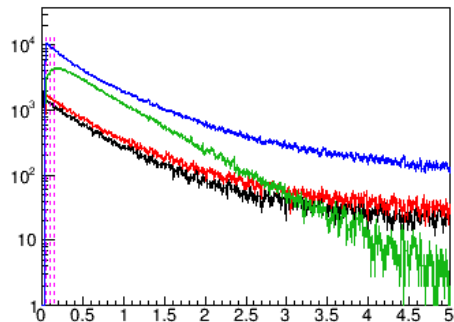
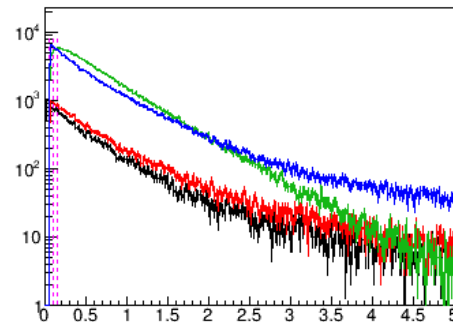
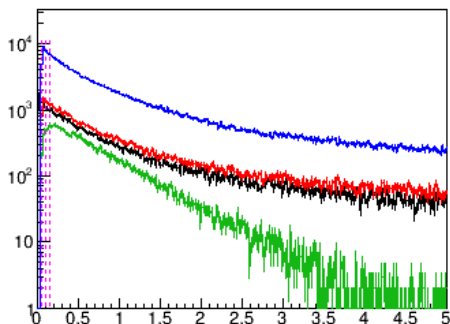
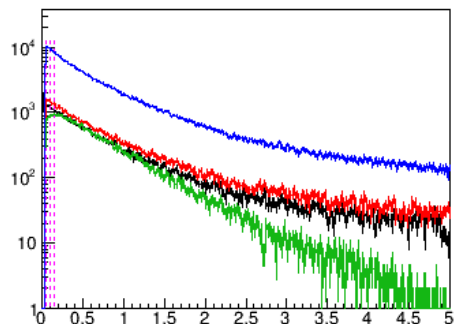
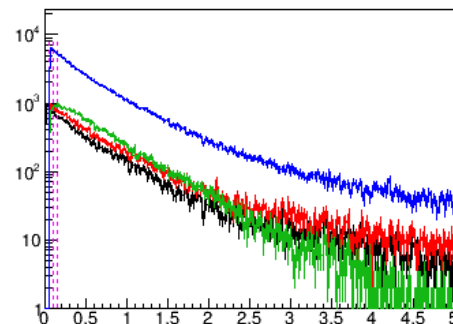
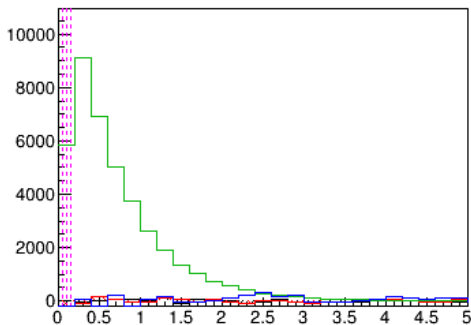
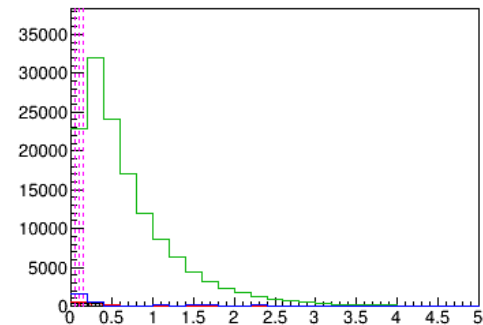
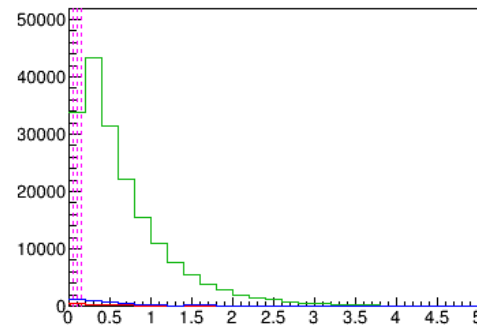
proton_findable, 2 < pT < 3, RS - WS



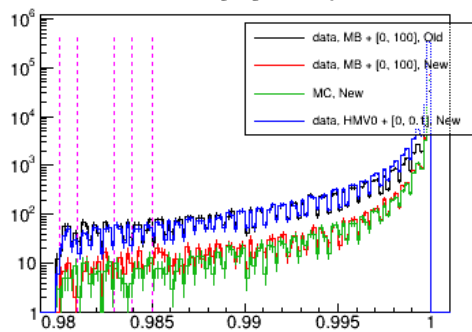
proton_findable, 3 < pT < 4, RS - WS



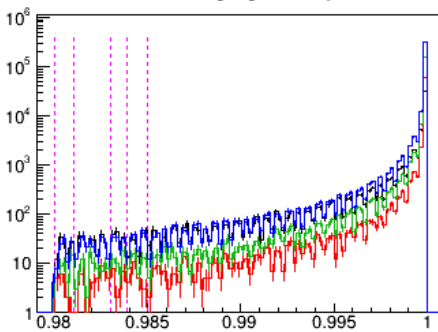
DCAV0PosToPrimVertex, $1 < pT < 2$, RSDCAV0PosToPrimVertex, $2 < pT < 3$, RSDCAV0PosToPrimVertex, $3 < pT < 4$, RSDCAV0PosToPrimVertex, $1 < pT < 2$, WSDCAV0PosToPrimVertex, $2 < pT < 3$, WSDCAV0PosToPrimVertex, $3 < pT < 4$, WSDCAV0PosToPrimVertex, $1 < pT < 2$, RS - WSDCAV0PosToPrimVertex, $2 < pT < 3$, RS - WSDCAV0PosToPrimVertex, $3 < pT < 4$, RS - WS

DCAV0ToPrimVertex, $1 < p_T < 2$, RSDCAV0ToPrimVertex, $2 < p_T < 3$, RSDCAV0ToPrimVertex, $3 < p_T < 4$, RSDCAV0ToPrimVertex, $1 < p_T < 2$, WSDCAV0ToPrimVertex, $2 < p_T < 3$, WSDCAV0ToPrimVertex, $3 < p_T < 4$, WSDCAV0ToPrimVertex, $1 < p_T < 2$, RS - WSDCAV0ToPrimVertex, $2 < p_T < 3$, RS - WSDCAV0ToPrimVertex, $3 < p_T < 4$, RS - WS

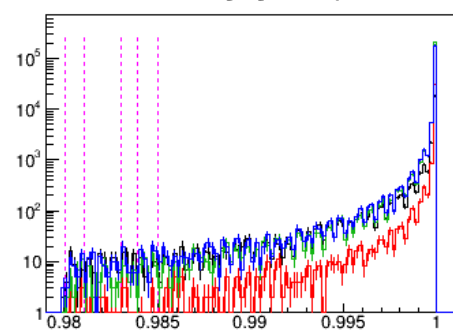
V0CosineOfPoiningAngleXi, 1 < pT < 2, RS



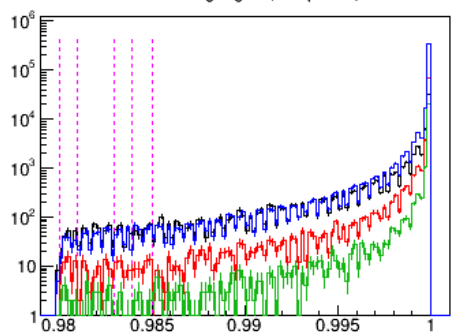
V0CosineOfPoiningAngleXi, 2 < pT < 3, RS



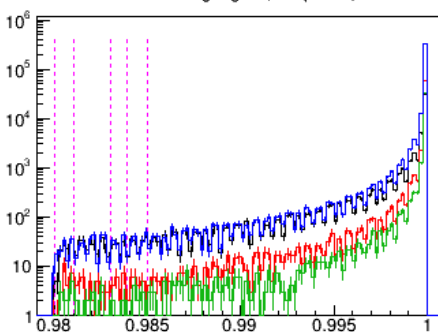
V0CosineOfPoiningAngleXi, 3 < pT < 4, RS



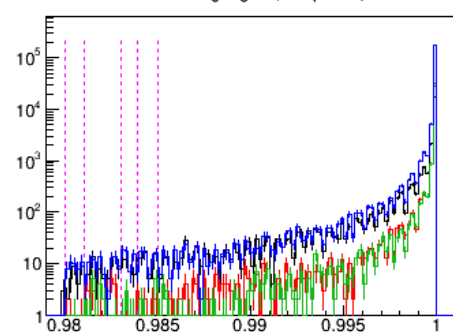
V0CosineOfPoiningAngleXi, 1 < pT < 2, WS



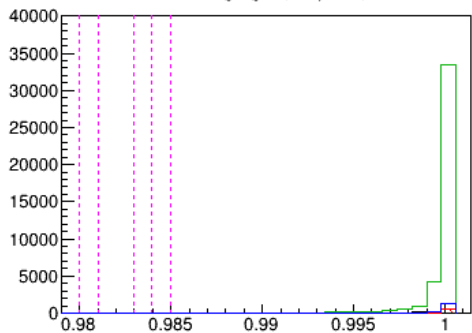
V0CosineOfPoiningAngleXi, 2 < pT < 3, WS



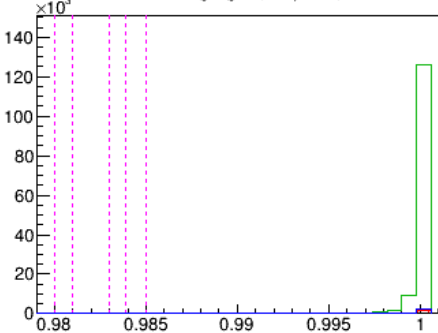
V0CosineOfPoiningAngleXi, 3 < pT < 4, WS



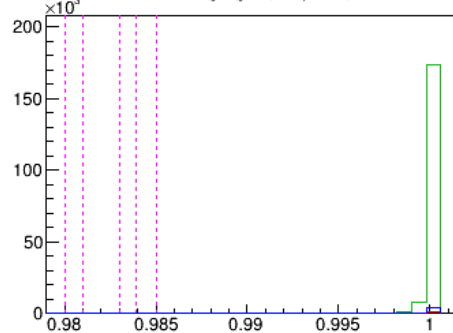
V0CosineOfPoiningAngleXi, 1 < pT < 2, RS - WS



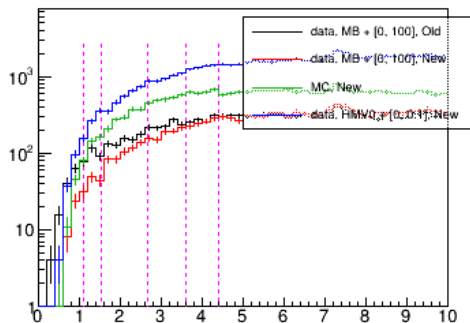
V0CosineOfPoiningAngleXi, 2 < pT < 3, RS - WS



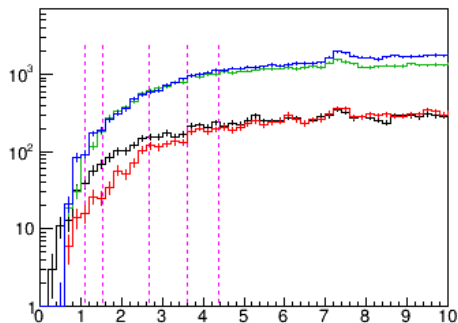
V0CosineOfPoiningAngleXi, 3 < pT < 4, RS - WS



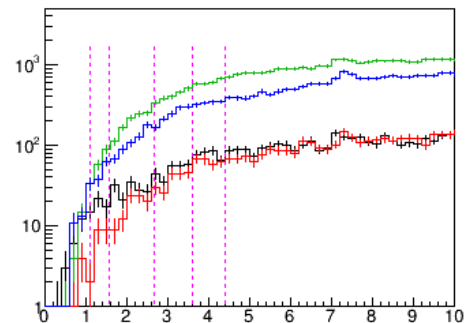
V0DecayLength, 1 < pT < 2, RS



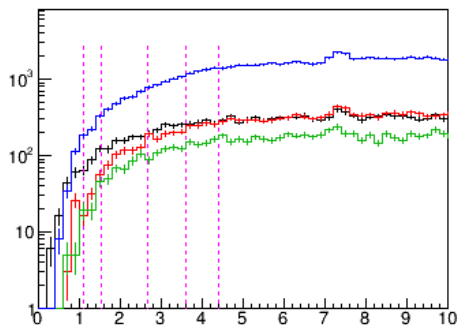
V0DecayLength, 2 < pT < 3, RS



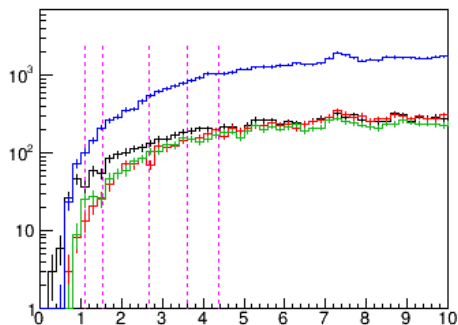
V0DecayLength, 3 < pT < 4, RS



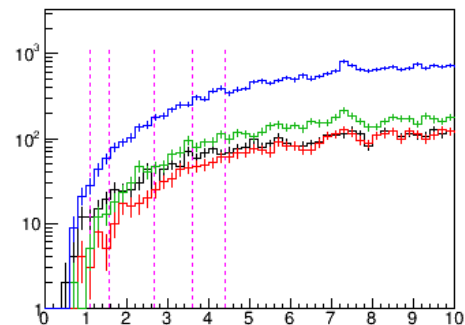
V0DecayLength, 1 < pT < 2, WS



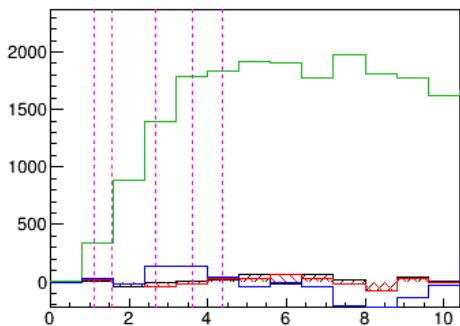
V0DecayLength, 2 < pT < 3, WS



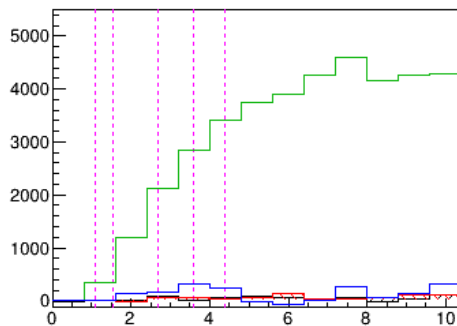
V0DecayLength, 3 < pT < 4, WS



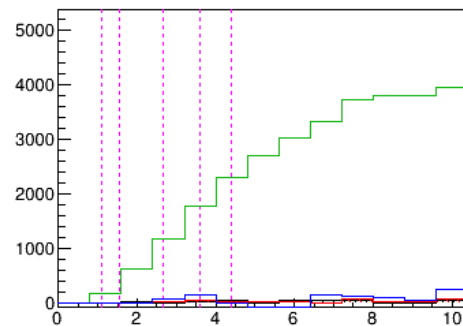
V0DecayLength, 1 < pT < 2, RS - WS



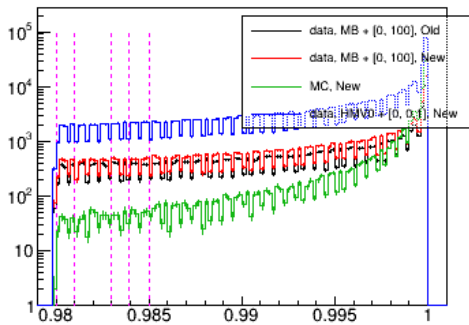
V0DecayLength, 2 < pT < 3, RS - WS



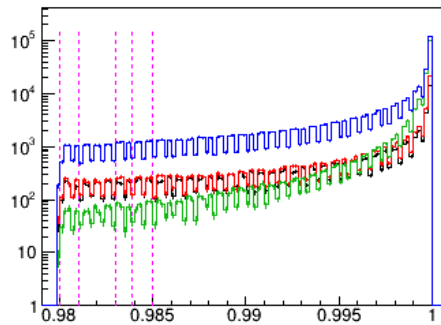
V0DecayLength, 3 < pT < 4, RS - WS



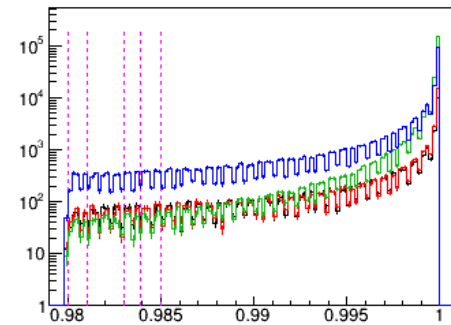
XiCosineOfPoiningAngle, 1 < pT < 2, RS



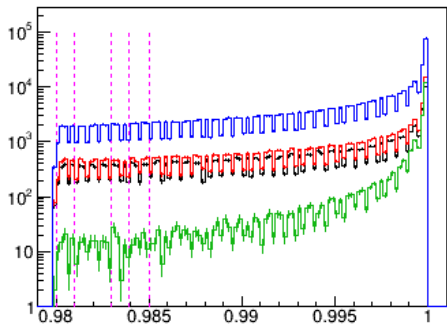
XiCosineOfPoiningAngle, 2 < pT < 3, RS



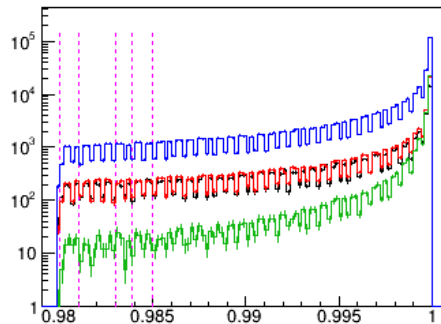
XiCosineOfPoiningAngle, 3 < pT < 4, RS



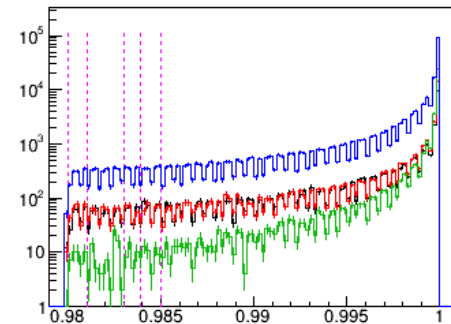
XiCosineOfPoiningAngle, 1 < pT < 2, WS



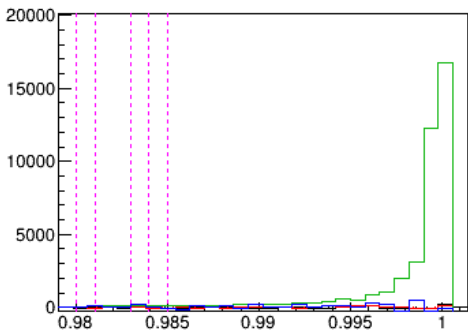
XiCosineOfPoiningAngle, 2 < pT < 3, WS



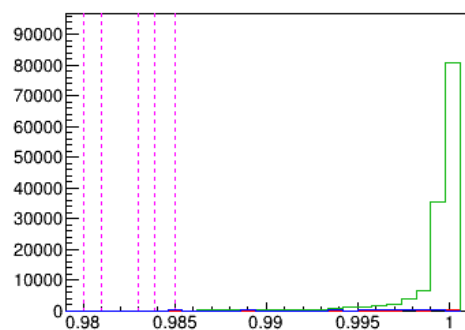
XiCosineOfPoiningAngle, 3 < pT < 4, WS



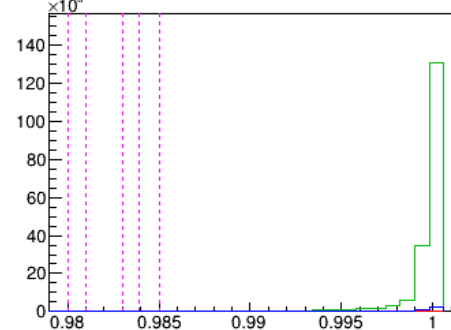
XiCosineOfPoiningAngle, 1 < pT < 2, RS - WS



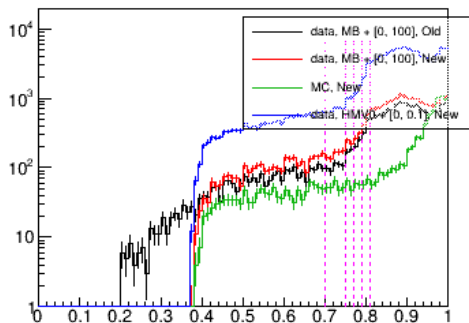
XiCosineOfPoiningAngle, 2 < pT < 3, RS - WS



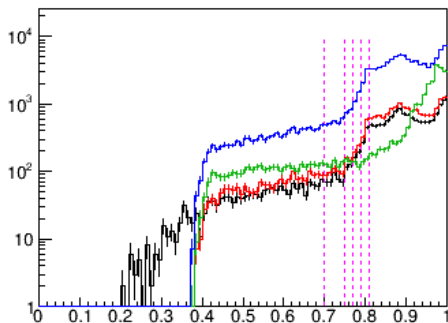
XiCosineOfPoiningAngle, 3 < pT < 4, RS - WS



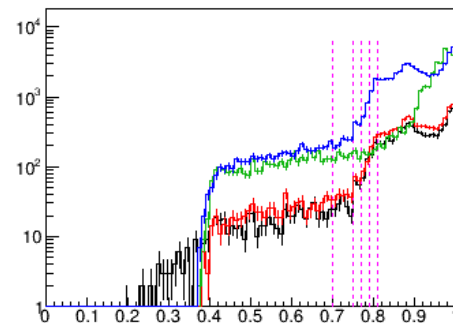
bpion_crossedratio, 1 < pT < 2, RS



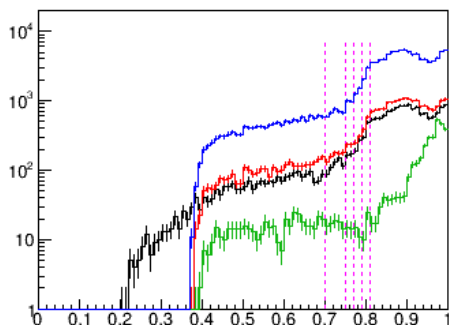
bpion_crossedratio, 2 < pT < 3, RS



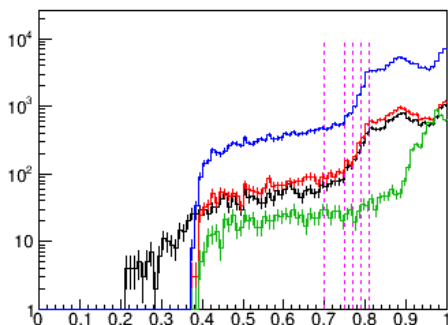
bpion_crossedratio, 3 < pT < 4, RS



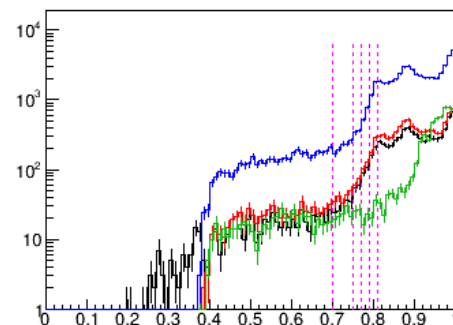
bpion_crossedratio, 1 < pT < 2, WS



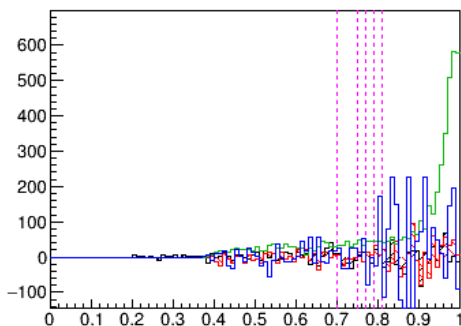
bpion_crossedratio, 2 < pT < 3, WS



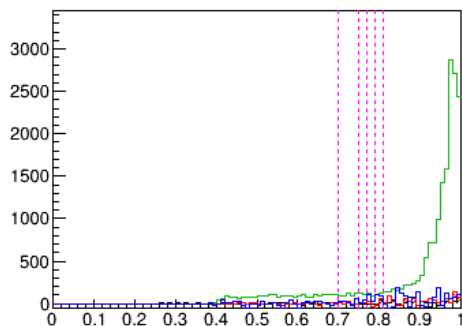
bpion_crossedratio, 3 < pT < 4, WS



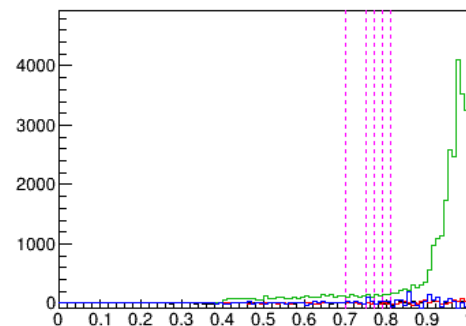
bpion_crossedratio, 1 < pT < 2, RS - WS



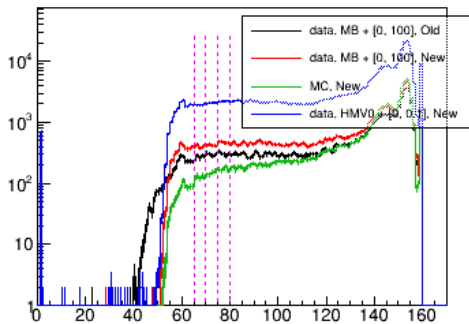
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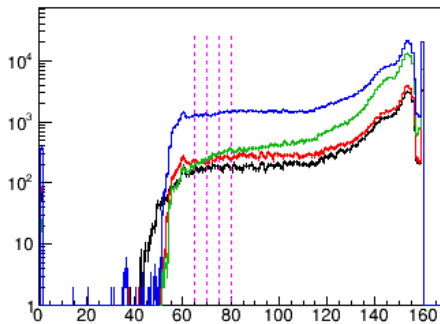
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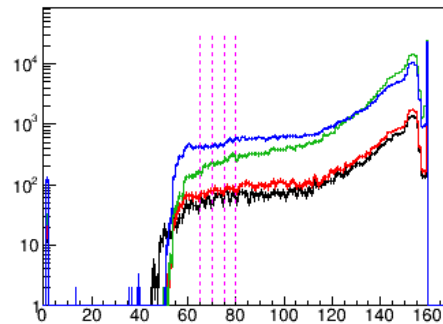
bpion_findable, 1 < pT < 2, RS



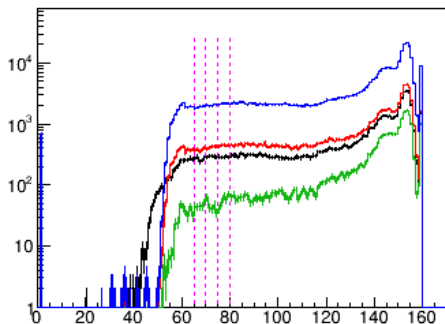
bpion_findable, 2 < pT < 3, RS



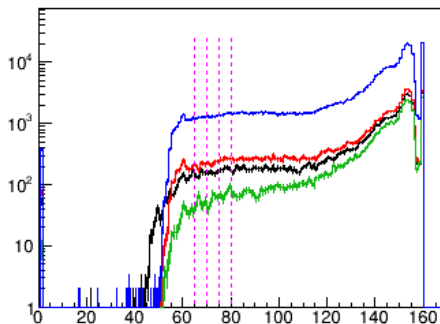
bpion_findable, 3 < pT < 4, RS



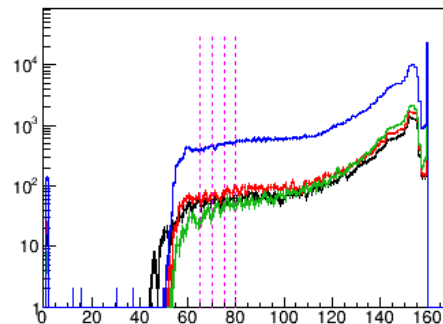
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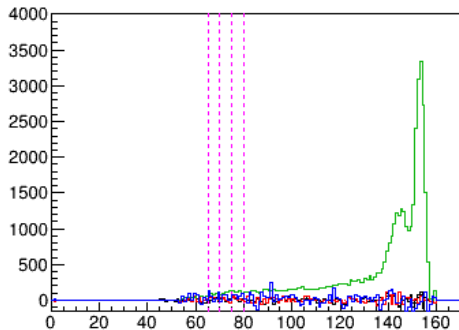
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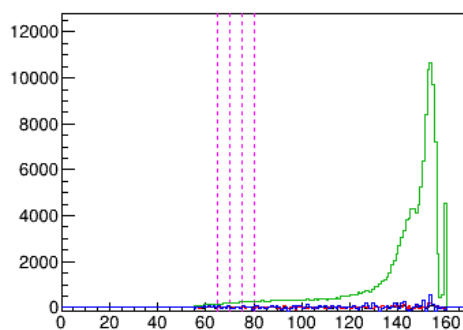
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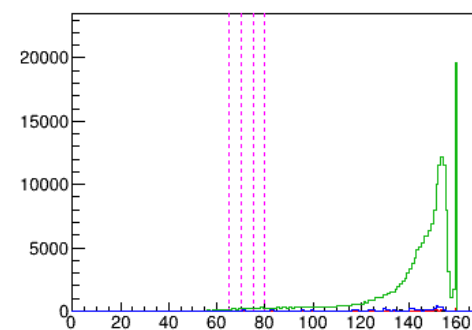
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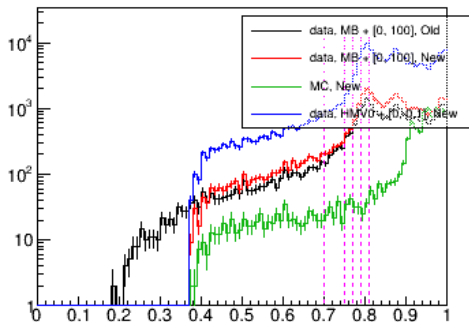
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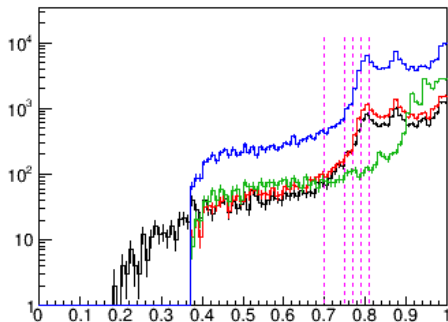
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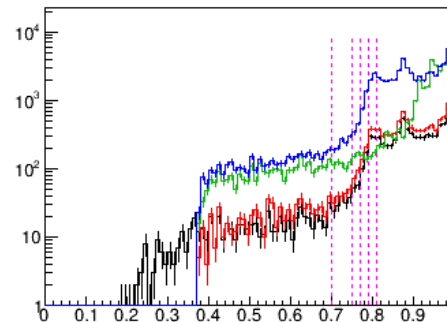
pion_crossedrows, 1 < pT < 2, RS



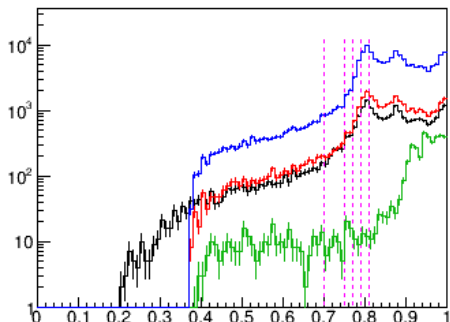
pion_crossedrows, 2 < pT < 3, RS



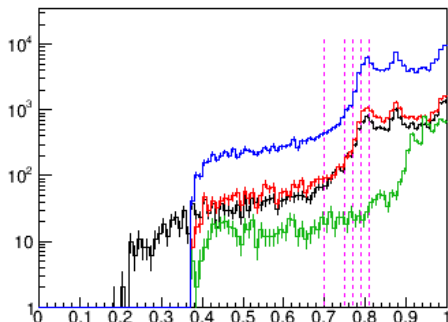
pion_crossedrows, 3 < pT < 4, RS



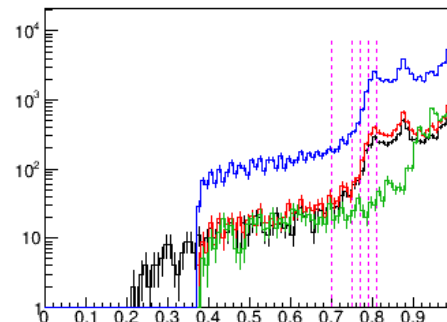
pion_crossedrows, 1 < pT < 2, WS



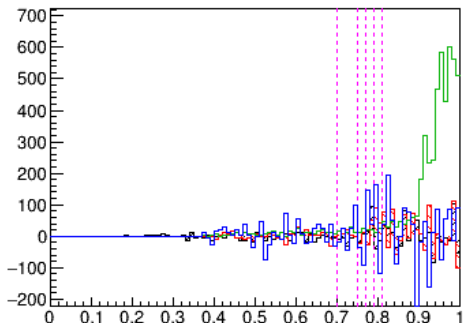
pion_crossedrows, 2 < pT < 3, WS



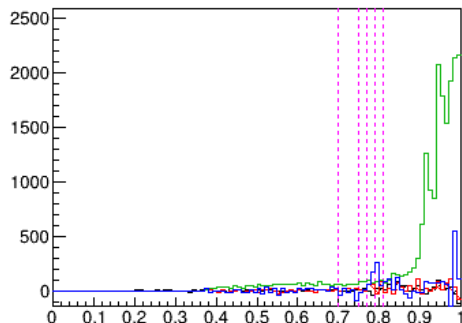
pion_crossedrows, 3 < pT < 4, WS



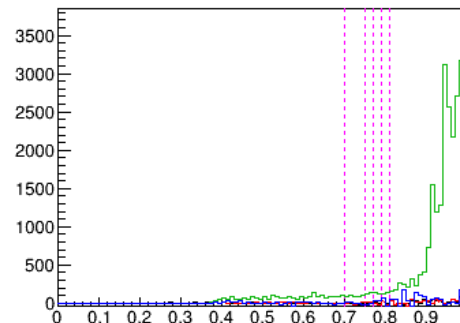
pion_crossedrows, 1 < pT < 2, RS - WS

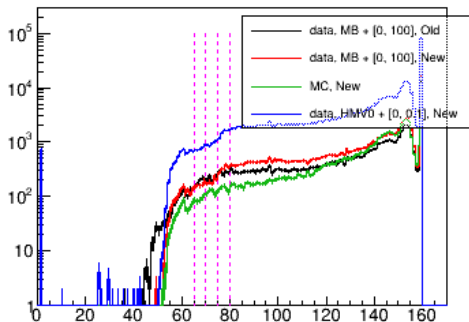
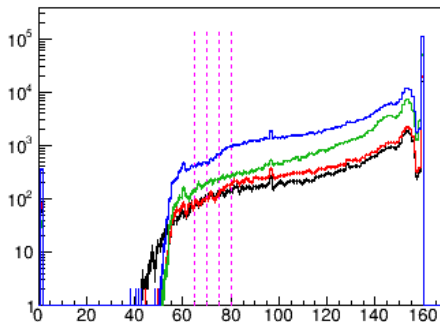
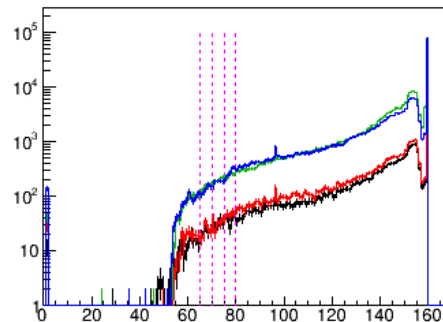
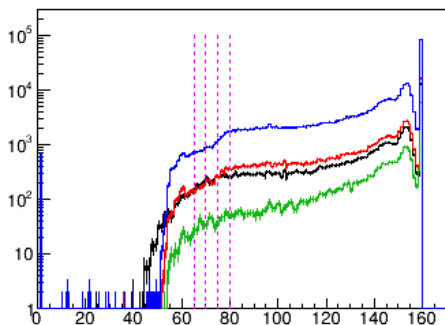
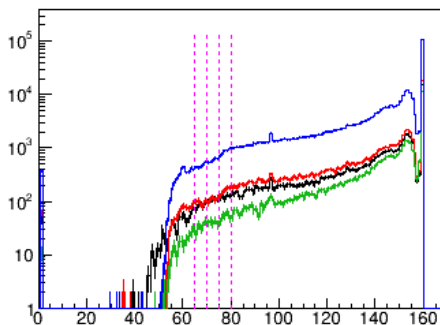
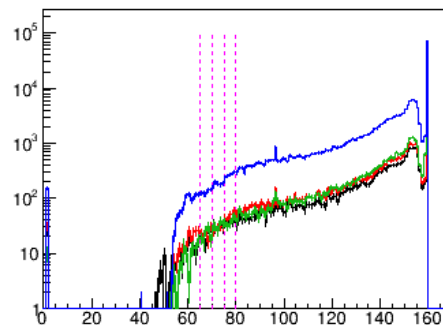
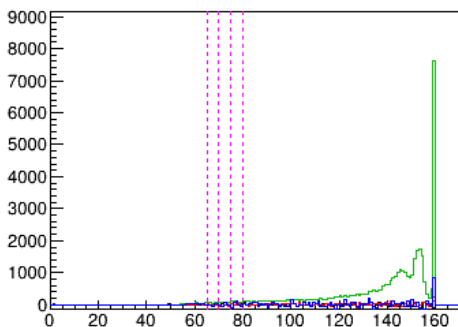
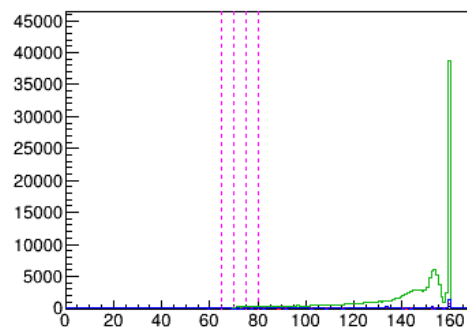
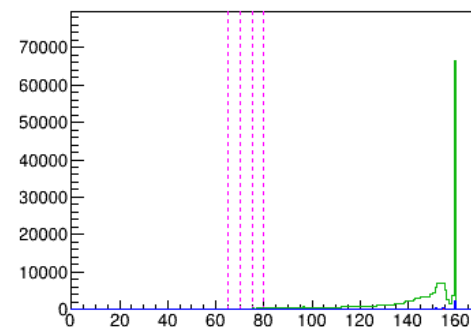


pion_crossedrows, 2 < pT < 3, RS - WS

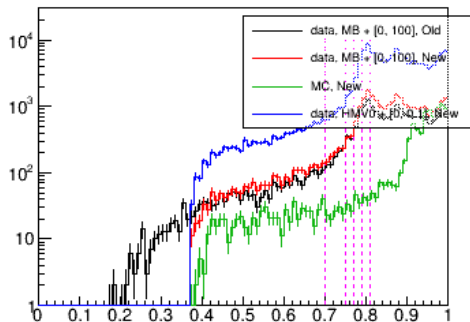


pion_crossedrows, 3 < pT < 4, RS - WS

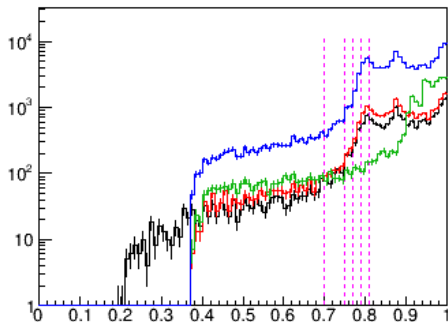


pion_findable, $1 < pT < 2$, RSpion_findable, $2 < pT < 3$, RSpion_findable, $3 < pT < 4$, RSpion_findable, $1 < pT < 2$, WSpion_findable, $2 < pT < 3$, WSpion_findable, $3 < pT < 4$, WSpion_findable, $1 < pT < 2$, RS - WSpion_findable, $2 < pT < 3$, RS - WSpion_findable, $3 < pT < 4$, RS - WS

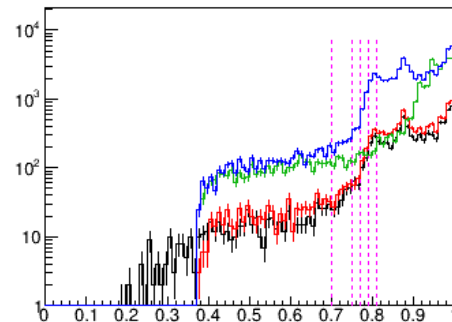
proton_crossedrows, 1 < pT < 2, RS



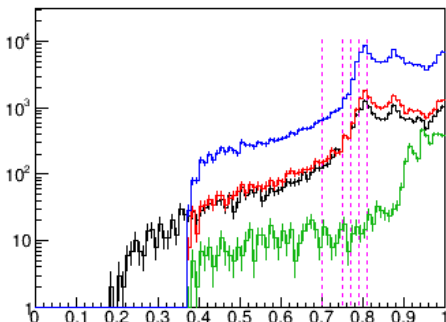
proton_crossedrows, 2 < pT < 3, RS



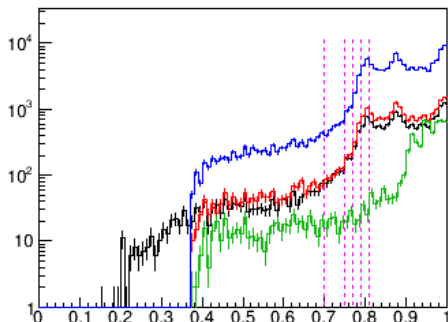
proton_crossedrows, 3 < pT < 4, RS



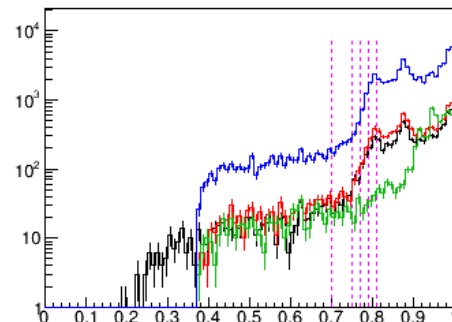
proton_crossedrows, 1 < pT < 2, WS



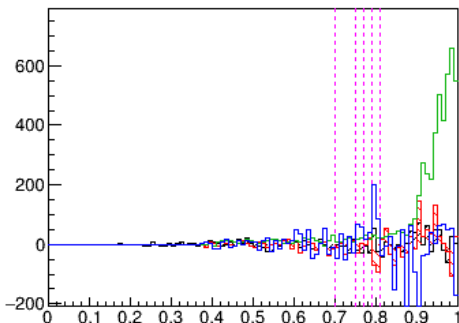
proton_crossedrows, 2 < pT < 3, WS



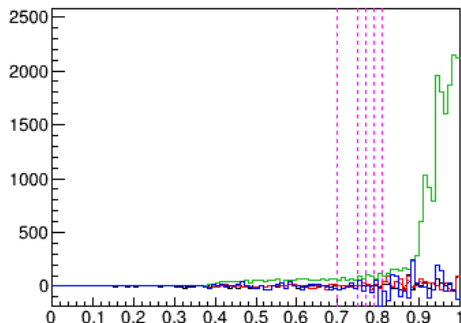
proton_crossedrows, 3 < pT < 4, WS



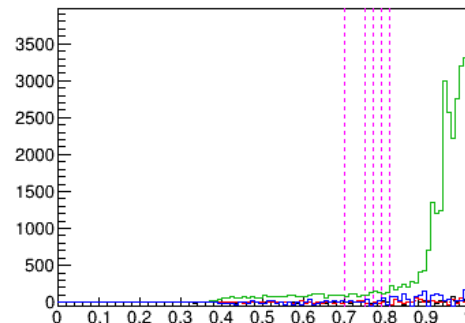
proton_crossedrows, 1 < pT < 2, RS - WS



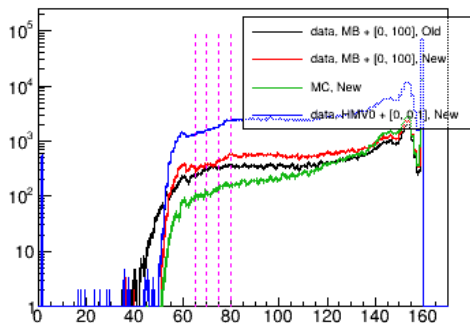
proton_crossedrows, 2 < pT < 3, RS - WS



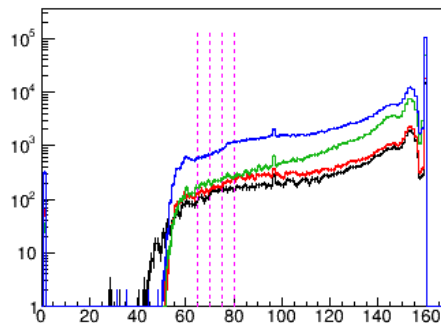
proton_crossedrows, 3 < pT < 4, RS - WS



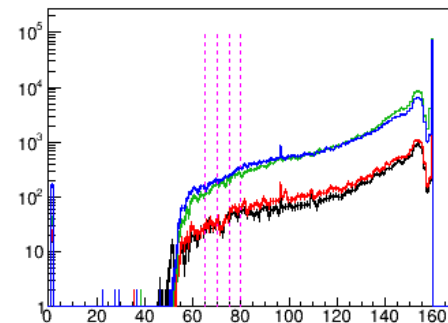
proton_findable, 1 < pT < 2, RS



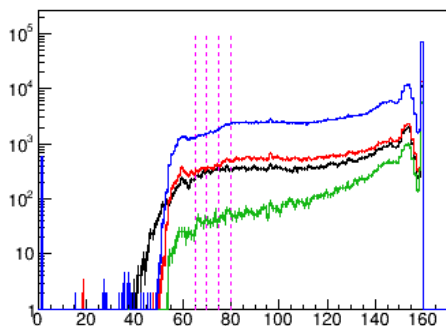
proton_findable, 2 < pT < 3, RS



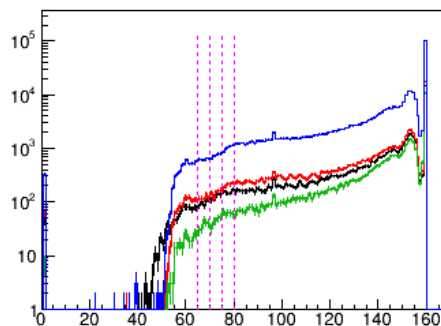
proton_findable, 3 < pT < 4, RS



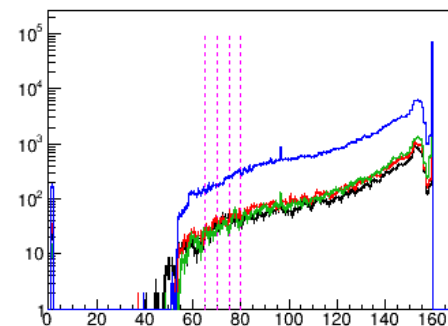
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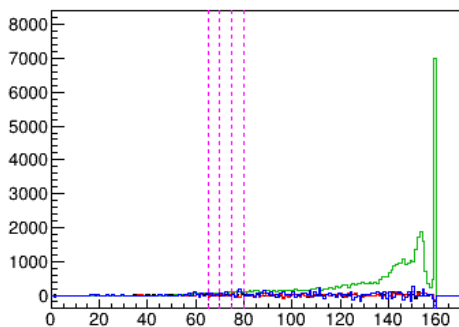
proton_findable, 2 < pT < 3, WS



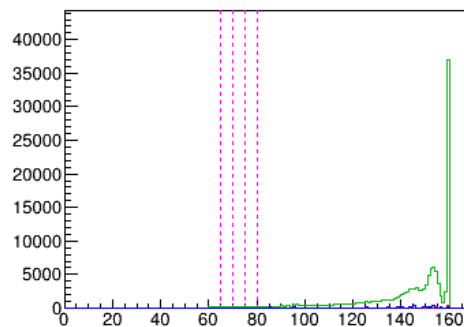
proton_findable, 3 < pT < 4, WS



proton_findable, 1 < pT < 2, RS - WS



proton_findable, 2 < pT < 3, RS - WS



proton_findable, 3 < pT < 4, RS - WS

