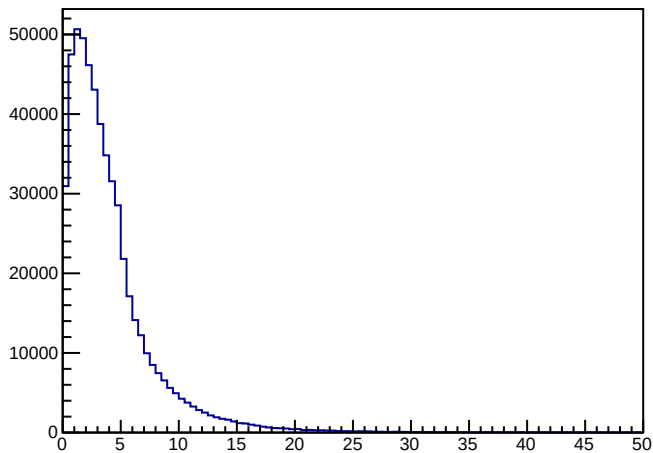
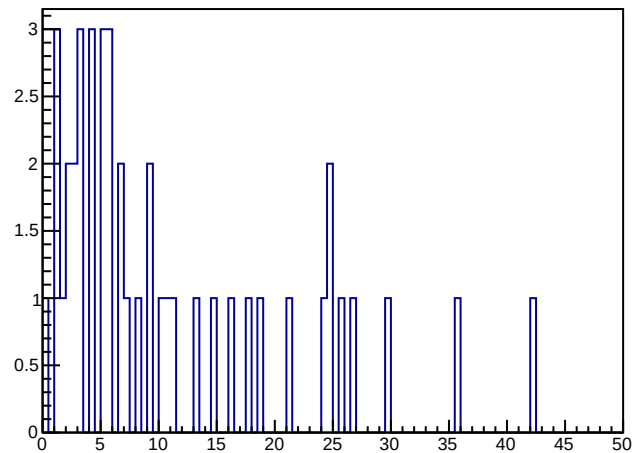


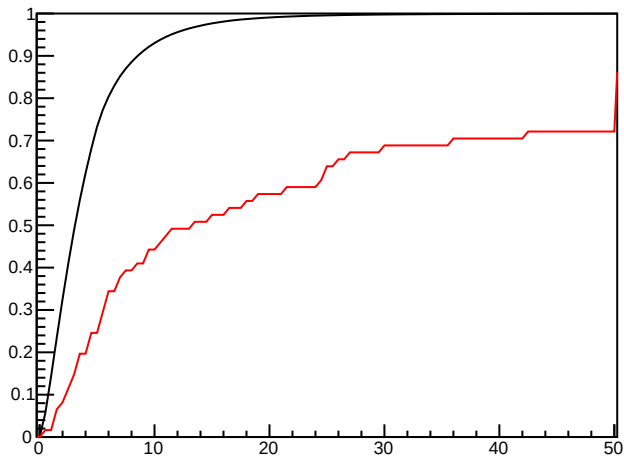
bscChisq, good events



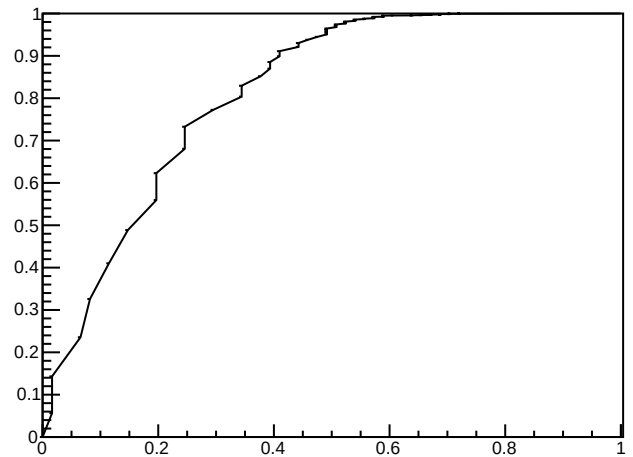
bscChisq, bad events



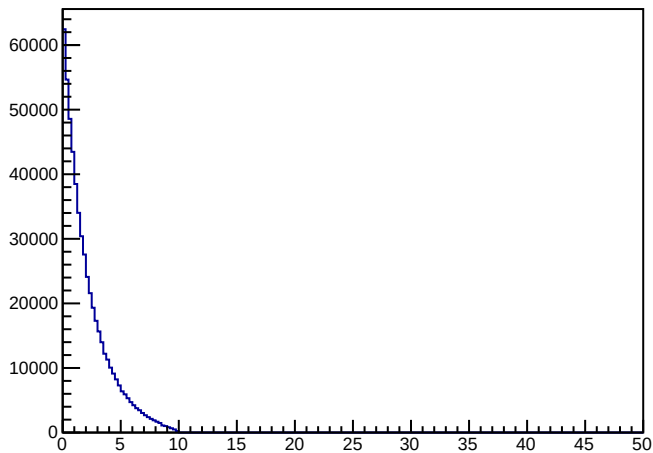
Efficiency vs. cut value



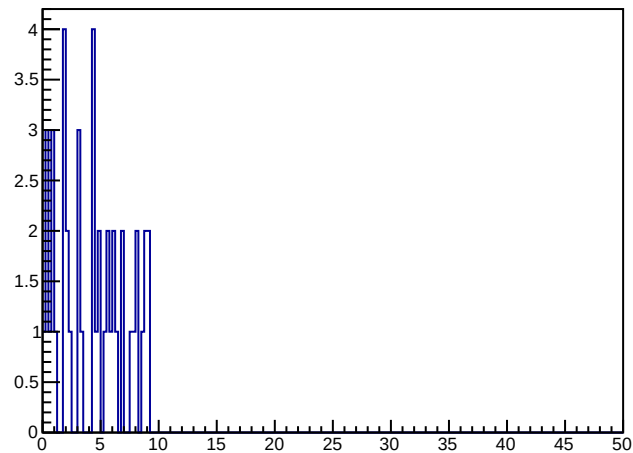
ROC curve



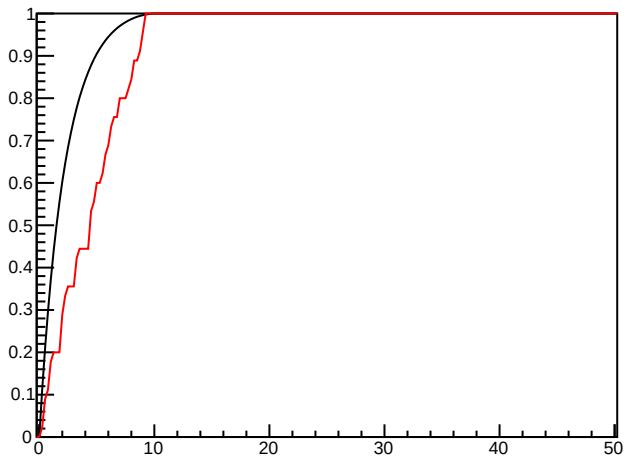
bscChisq-uncChisq, good events



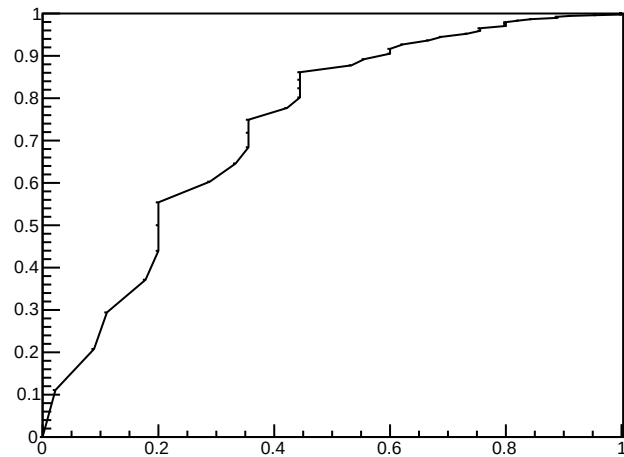
bscChisq-uncChisq, bad events



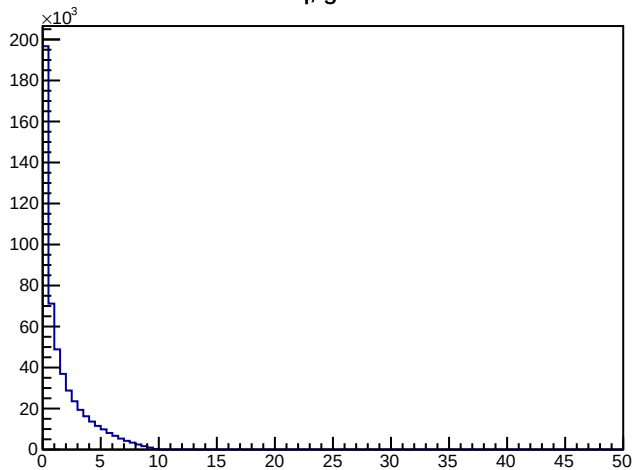
Efficiency vs. cut value



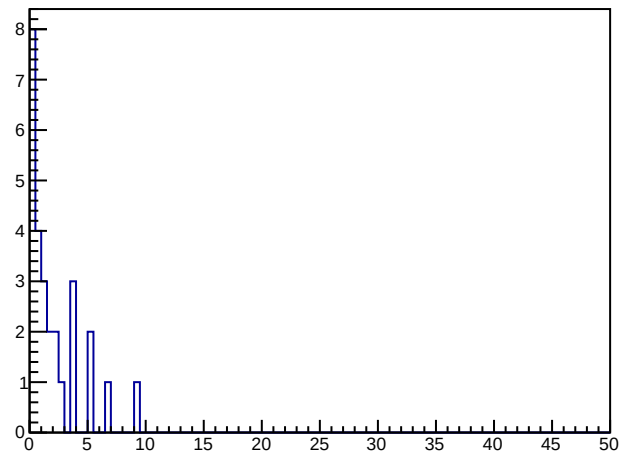
ROC curve



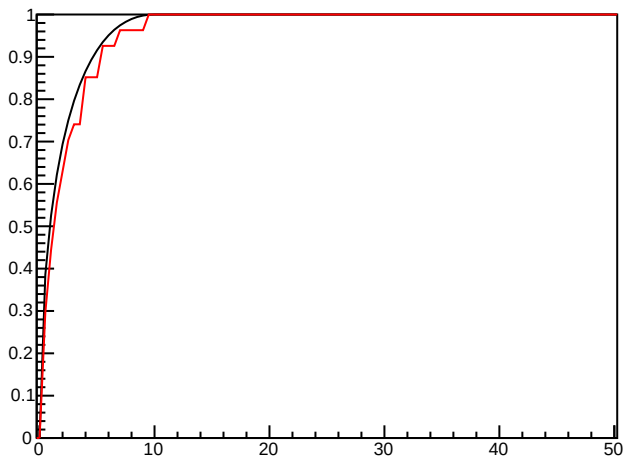
uncChisq, good events



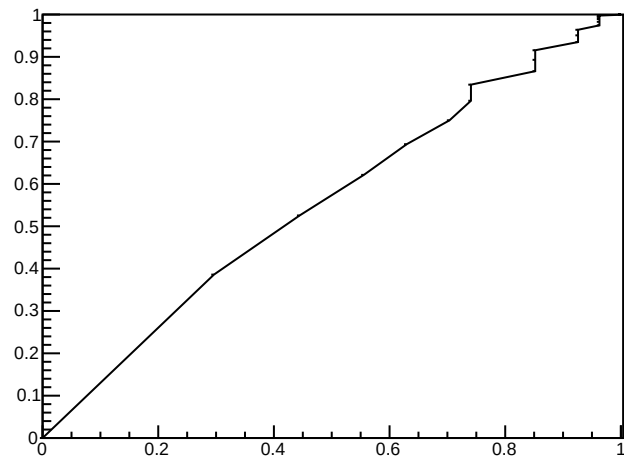
uncChisq, bad events



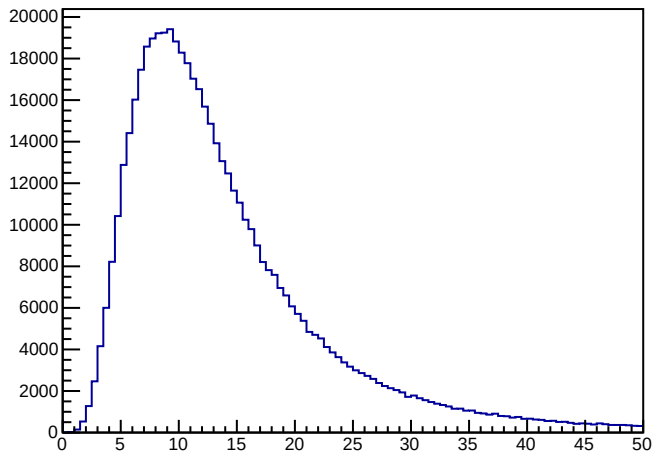
Efficiency vs. cut value



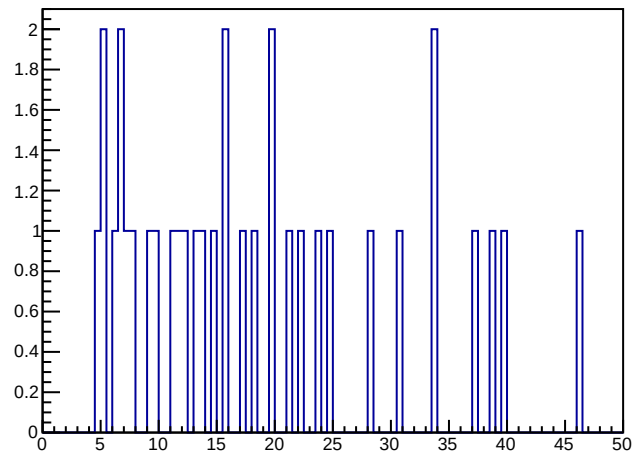
ROC curve



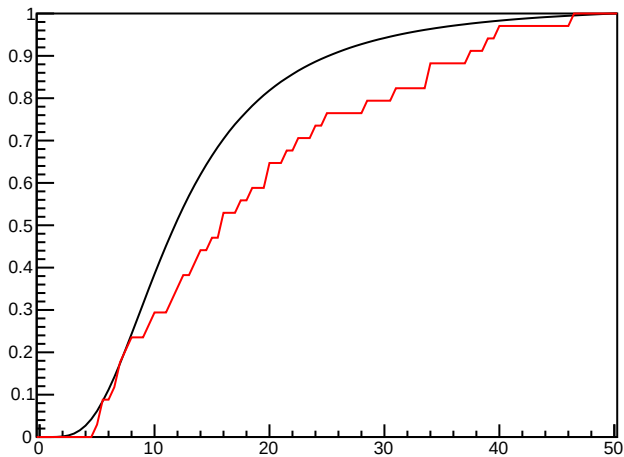
max(eleTrkChisq,posTrkChisq), good events



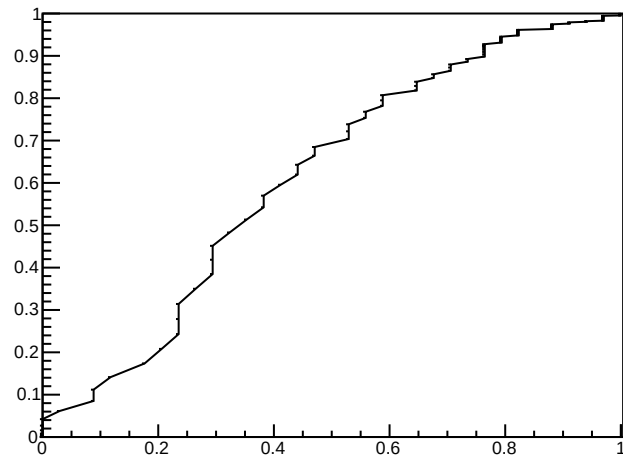
max(eleTrkChisq,posTrkChisq), bad events



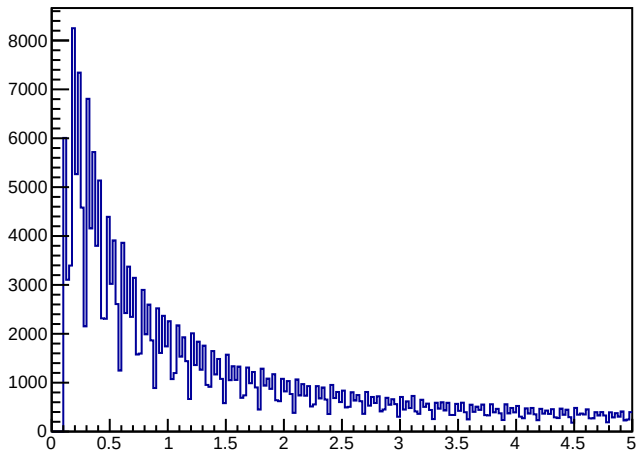
Efficiency vs. cut value



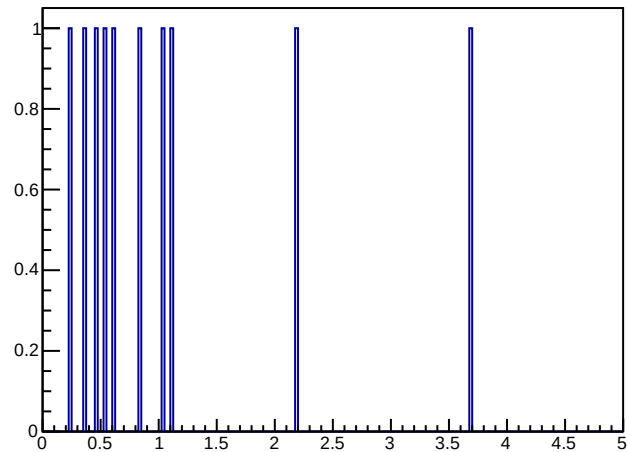
ROC curve



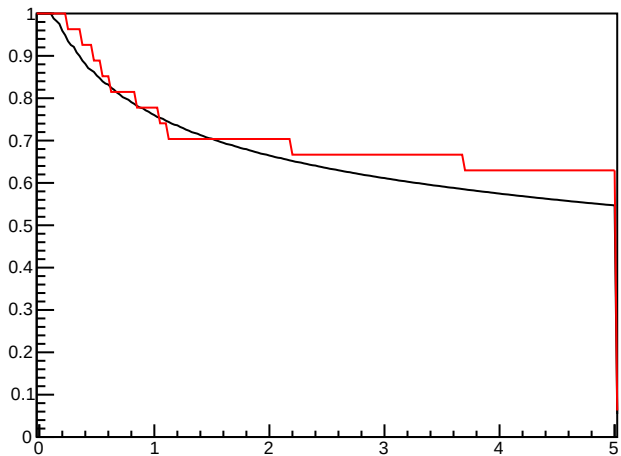
minPositelso, good events



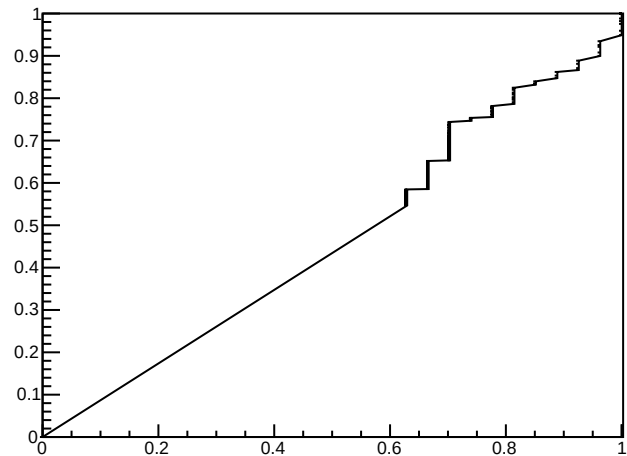
minPositelso, bad events



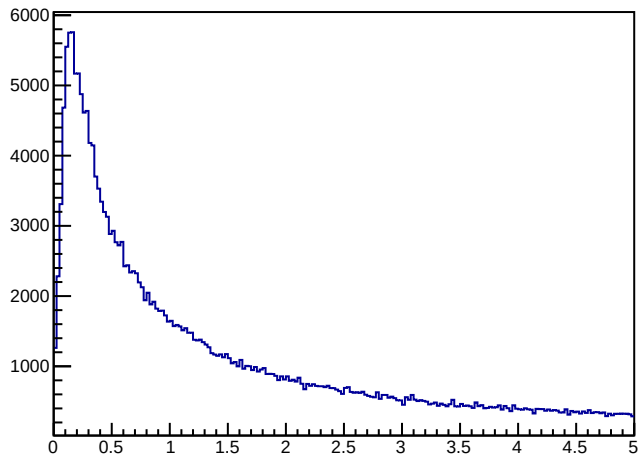
Efficiency vs. cut value



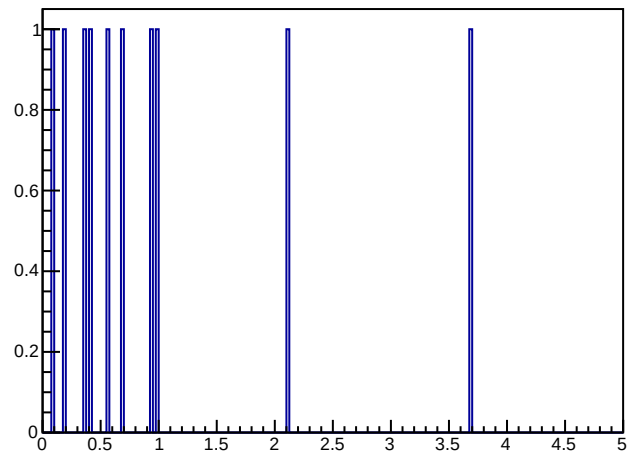
ROC curve



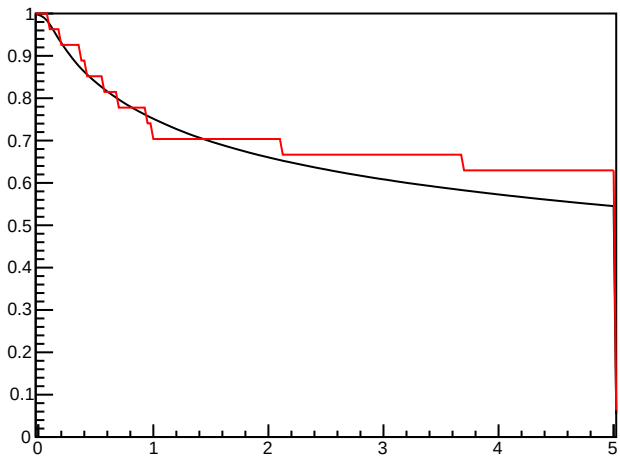
minPositiveIso-0.02*bscChisq, good events



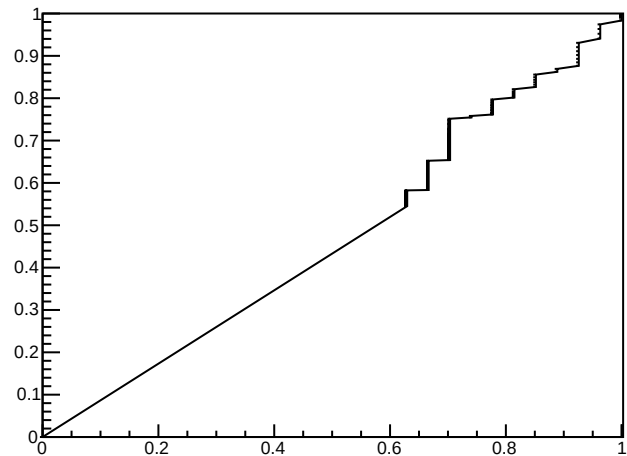
minPositiveIso-0.02*bscChisq, bad events



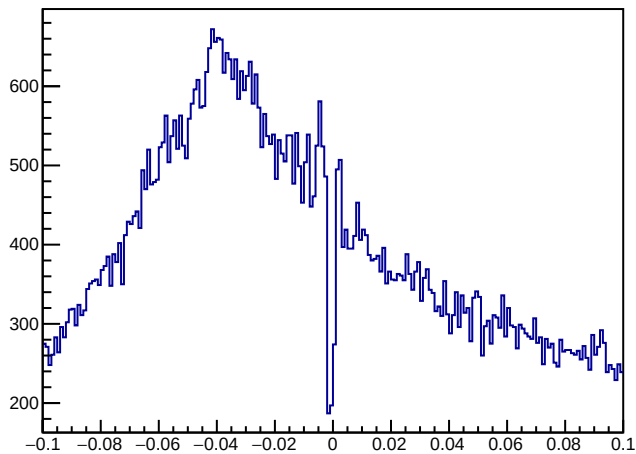
Efficiency vs. cut value



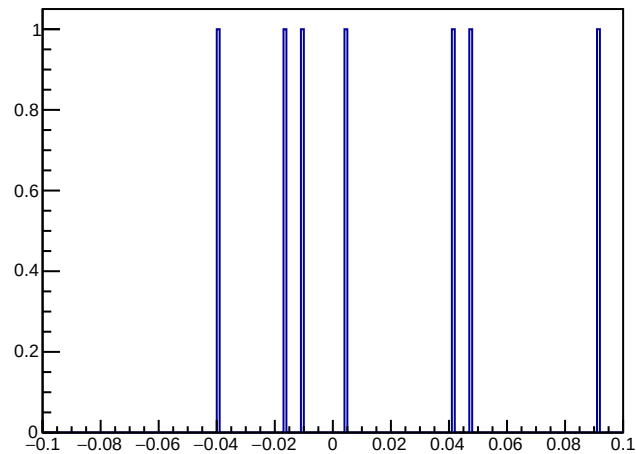
ROC curve



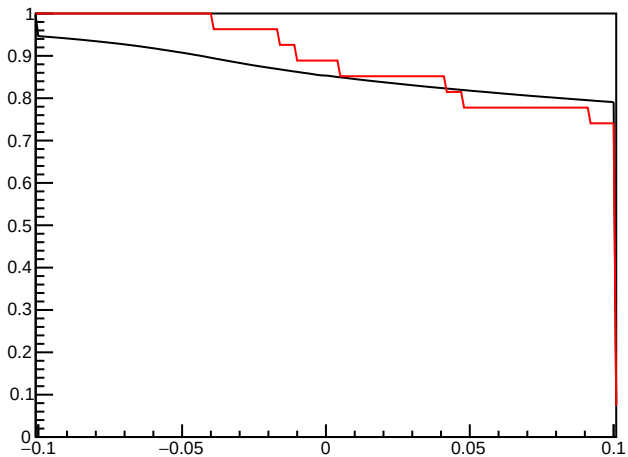
(minPositiveIso-0.5)/bscChisq, good events



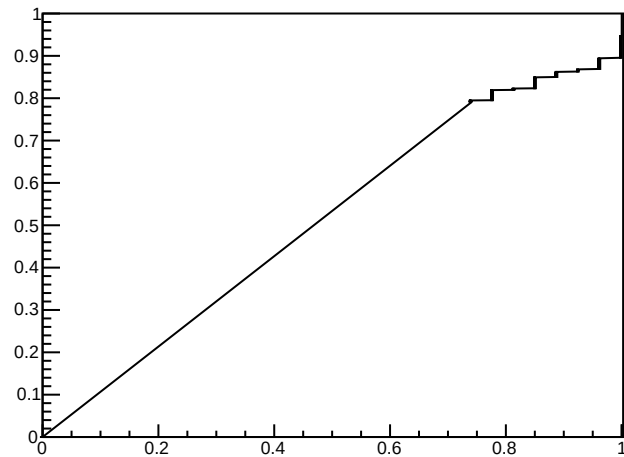
(minPositiveIso-0.5)/bscChisq, bad events



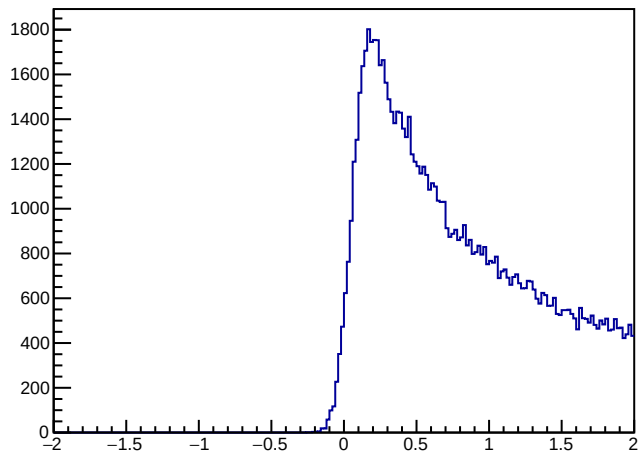
Efficiency vs. cut value



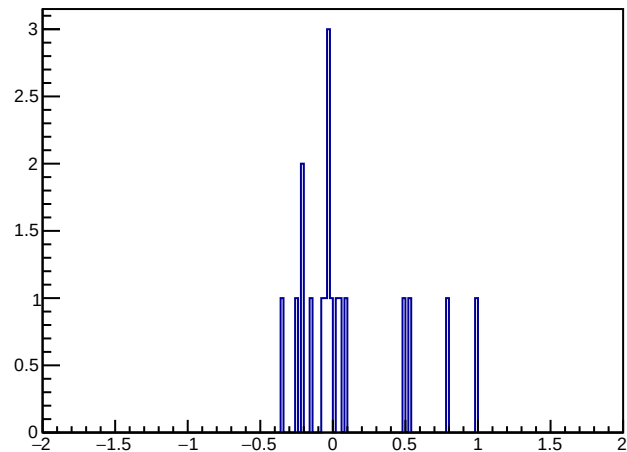
ROC curve



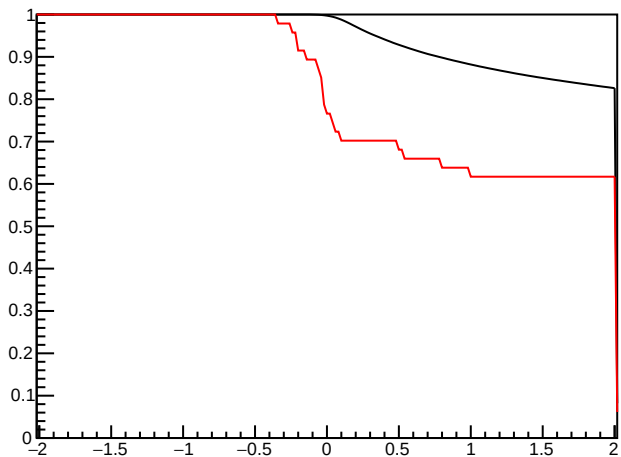
$\text{eleMinPositiveIso} + 0.5 * (\text{eleTrkZ0} - 5 * \text{elePY}/\text{eleP}) * \text{sign}(\text{elePY})$, good events



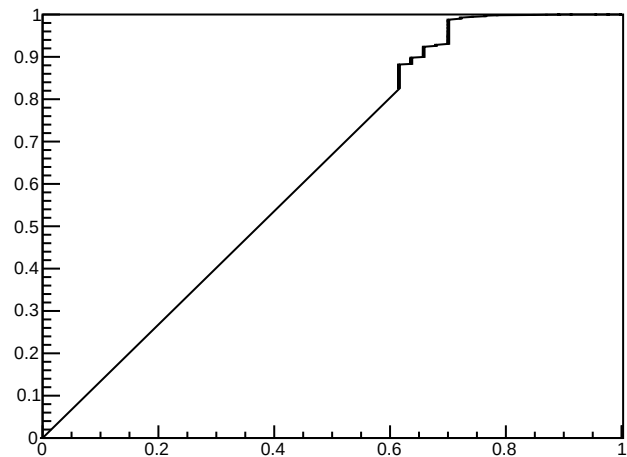
$\text{eleMinPositiveIso} + 0.5 * (\text{eleTrkZ0} - 5 * \text{elePY}/\text{eleP}) * \text{sign}(\text{elePY})$, bad events



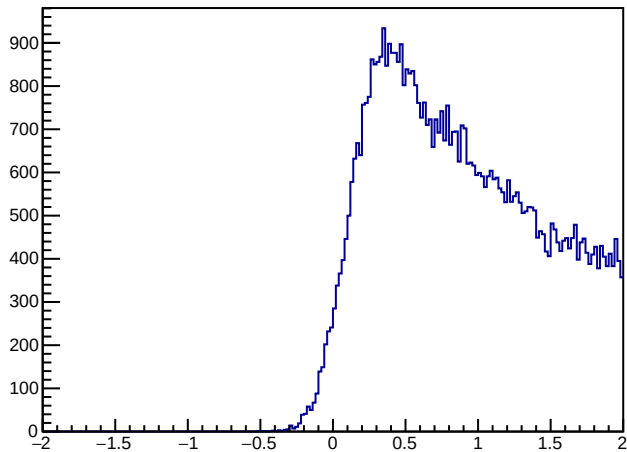
Efficiency vs. cut value



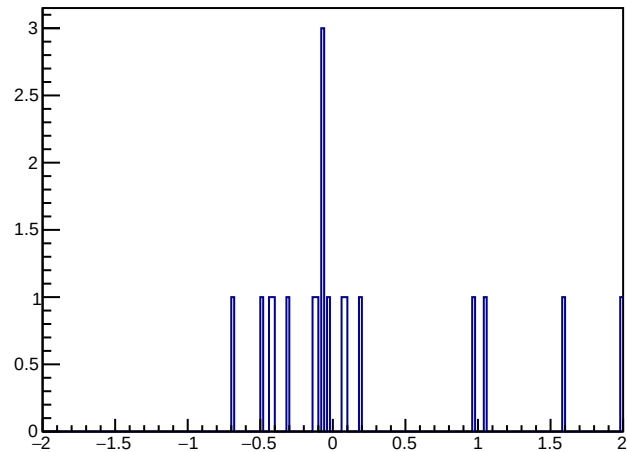
ROC curve



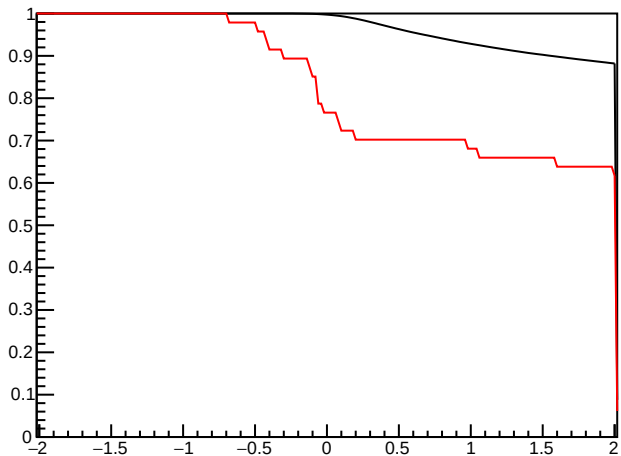
$2 \cdot \text{eleMinPositiveIso} + (\text{eleTrkZ0-5} \cdot \text{elePY}/\text{eleP}) \cdot \text{sign}(\text{elePY})$, good events



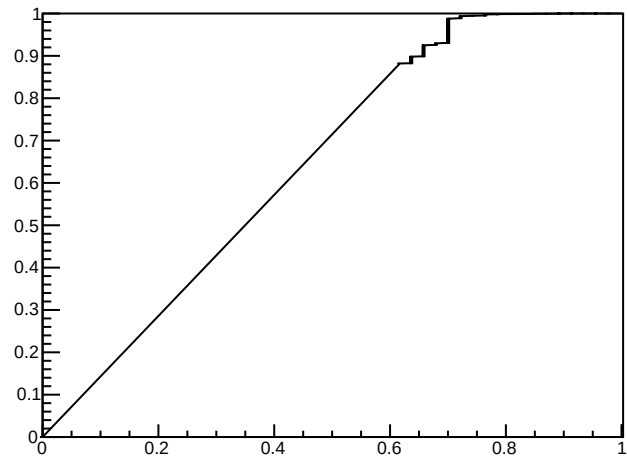
$2 \cdot \text{eleMinPositiveIso} + (\text{eleTrkZ0-5} \cdot \text{elePY}/\text{eleP}) \cdot \text{sign}(\text{elePY})$, bad events



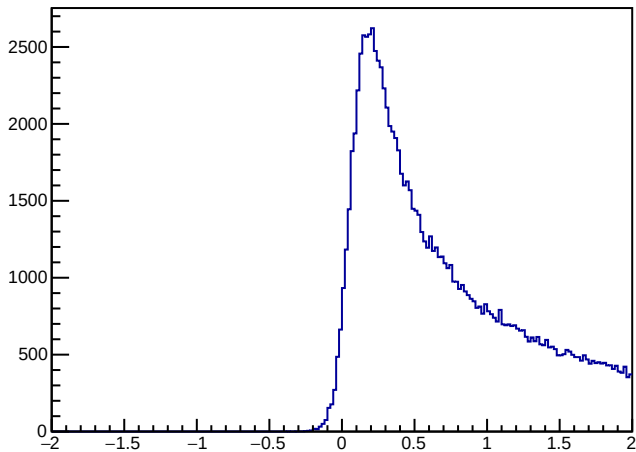
Efficiency vs. cut value



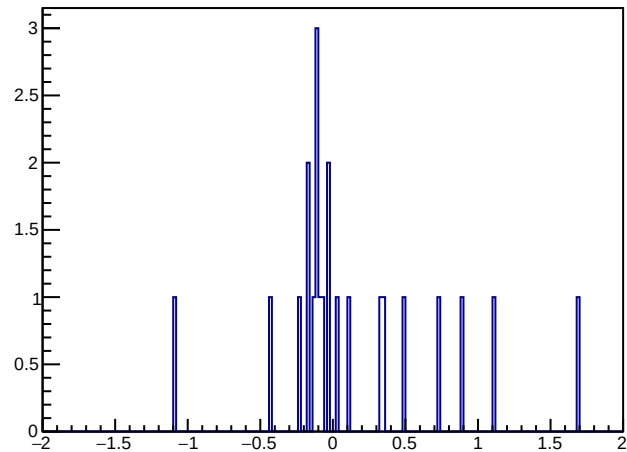
ROC curve



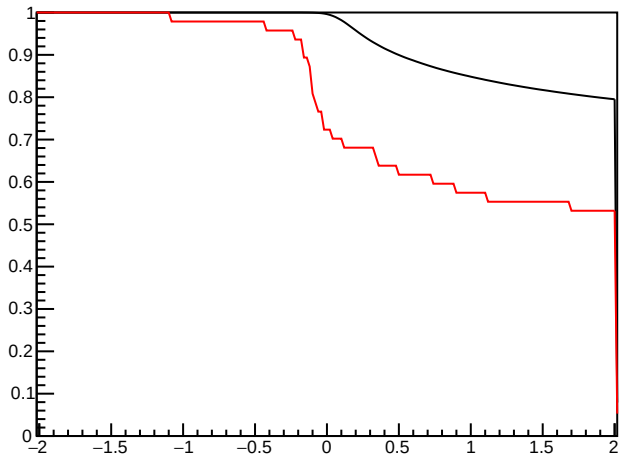
$\text{posMinPositivelso} + 0.5 * (\text{posTrkZ0-5} * \text{posPY} / \text{posP}) * \text{sign}(\text{posPY})$, good events



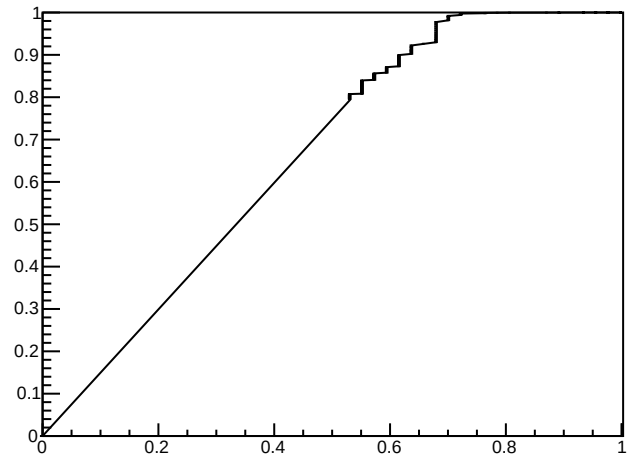
$\text{posMinPositivelso} + 0.5 * (\text{posTrkZ0-5} * \text{posPY} / \text{posP}) * \text{sign}(\text{posPY})$, bad events



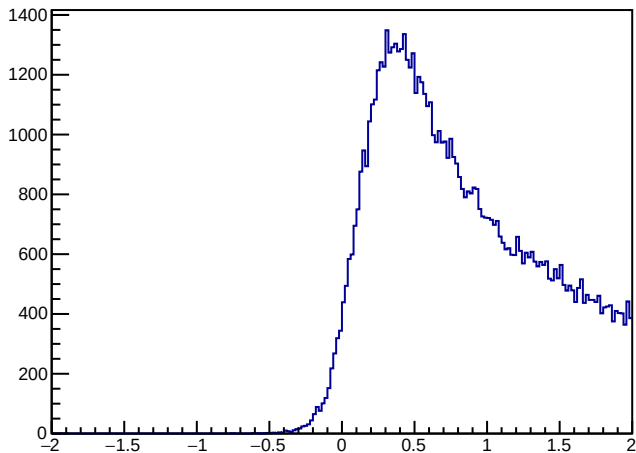
Efficiency vs. cut value



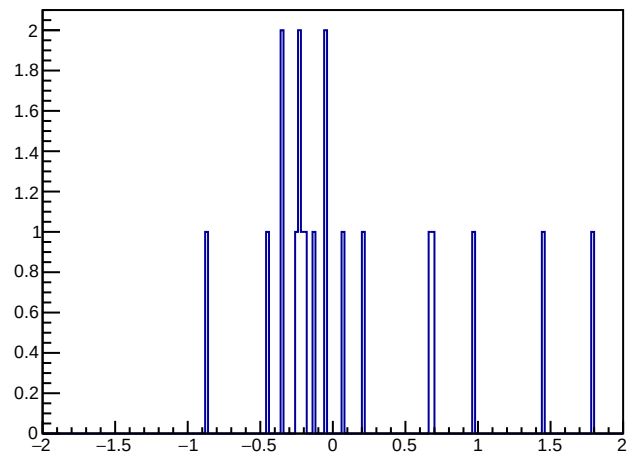
ROC curve



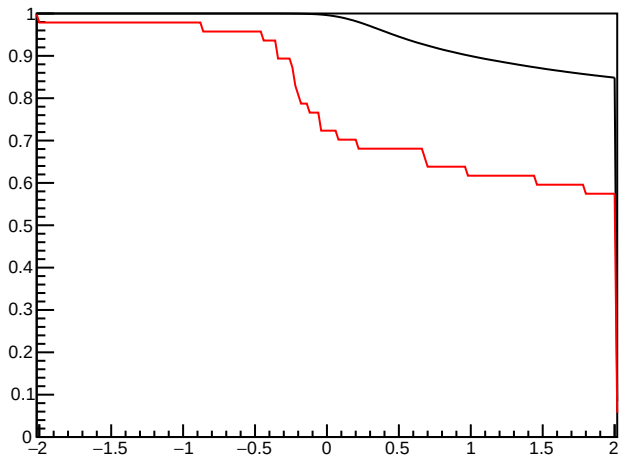
$2 \cdot \text{posMinPositelso} + (\text{posTrkZ0-5} \cdot \text{posPY} / \text{posP}) \cdot \text{sign}(\text{posPY})$, good events



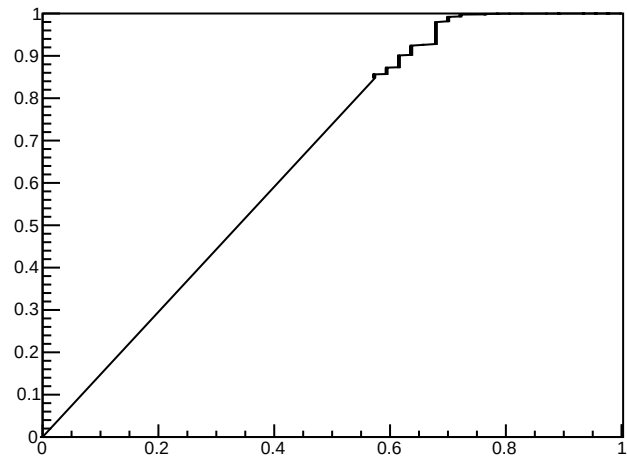
$2 \cdot \text{posMinPositelso} + (\text{posTrkZ0-5} \cdot \text{posPY} / \text{posP}) \cdot \text{sign}(\text{posPY})$, bad events



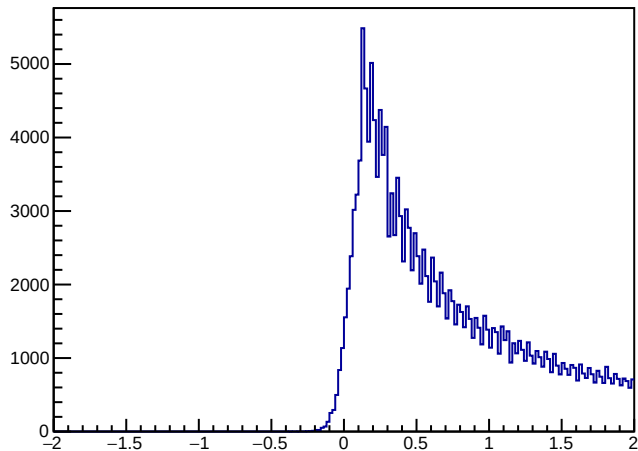
Efficiency vs. cut value



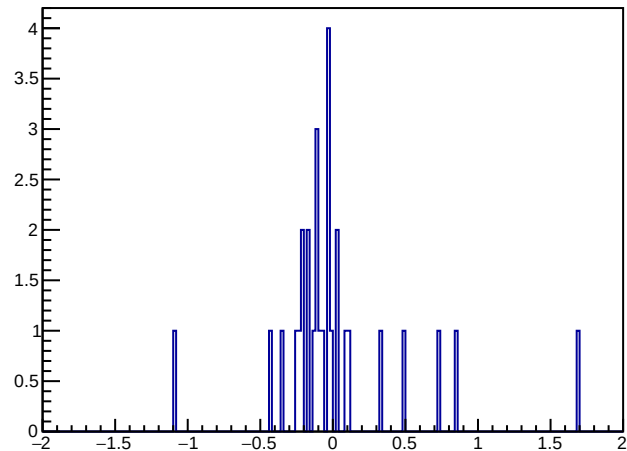
ROC curve



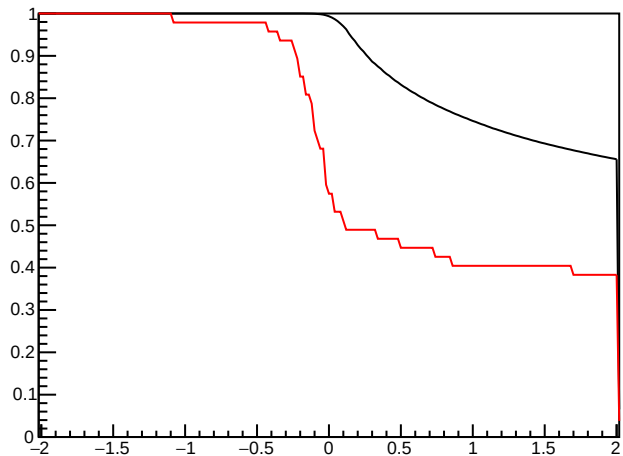
$\min(\min(\text{PosSeliso} \cdot \max(0, 0.5 \cdot \frac{\text{TA2D} \cdot 5 \cdot \text{selP} \cdot \text{val}}{\text{sig}(\text{selPY})}), \text{posMinPosSeliso} \cdot \max(0, 0.5 \cdot \frac{\text{TA2D} \cdot 5 \cdot \text{posPY}}{\text{posPY} \cdot \text{sig}(\text{posPY})})), \text{good events})$



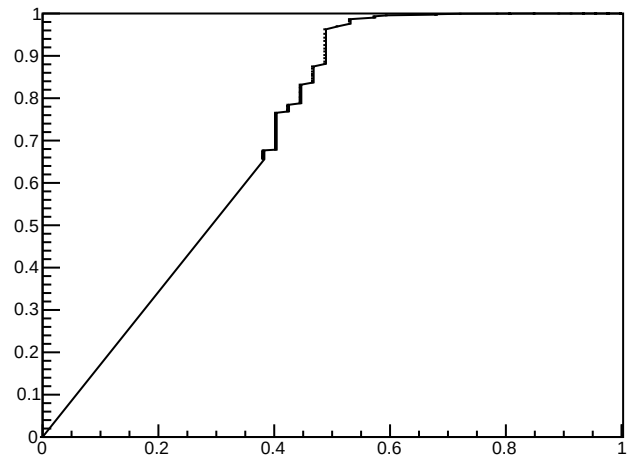
$\min(\min(\text{PosSeliso} \cdot \max(0, 0.5 \cdot \frac{\text{TA2D} \cdot 5 \cdot \text{selP} \cdot \text{val}}{\text{sig}(\text{selPY})}), \text{posMinPosSeliso} \cdot \max(0, 0.5 \cdot \frac{\text{TA2D} \cdot 5 \cdot \text{posPY}}{\text{posPY} \cdot \text{sig}(\text{posPY})})), \text{bad events})$



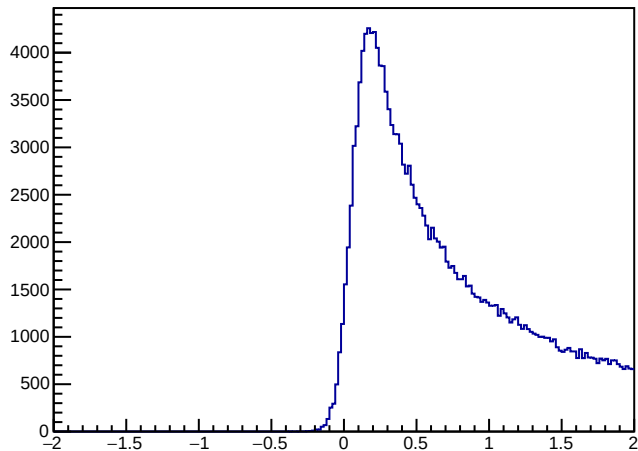
Efficiency vs. cut value



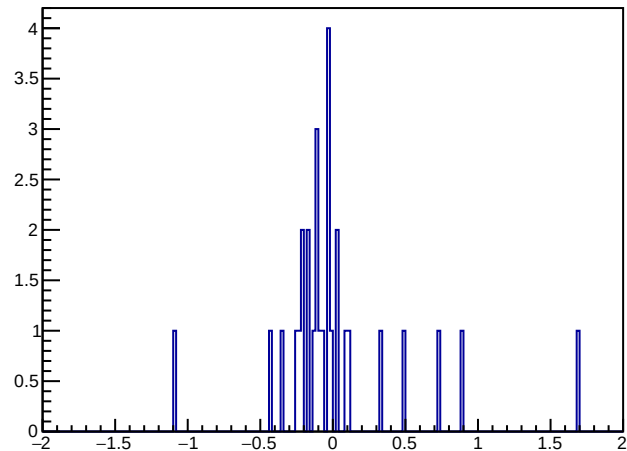
ROC curve



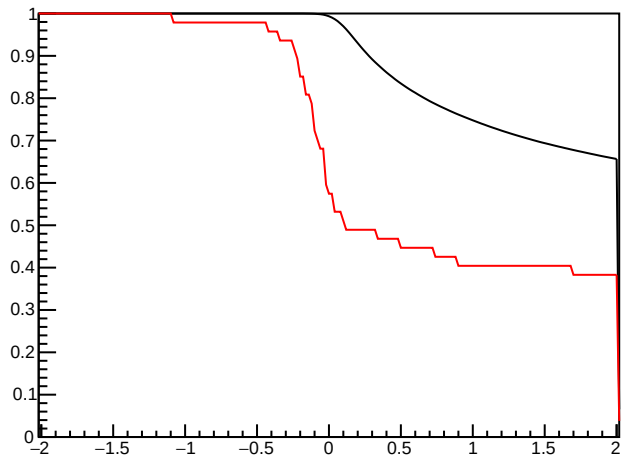
min(eleMinPositveto+0.5*(eleTrk2D-5*elePY*eleP)*sign(elePY),posMinPositveto+0.5*(posTrk2D-5*posPY*posP)*sign(posPY)), good events



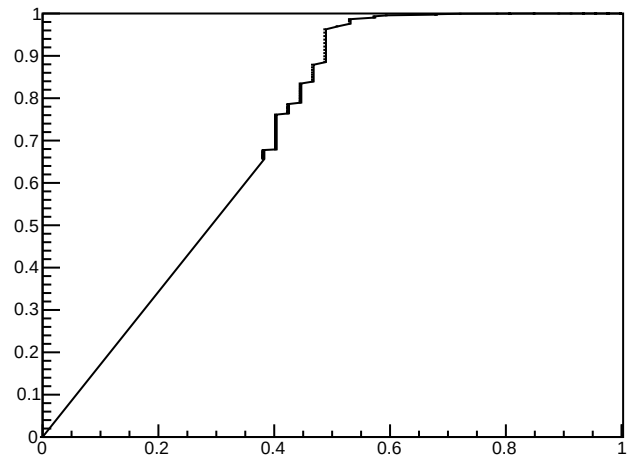
min(eleMinPositveto+0.5*(eleTrk2D-5*elePY*eleP)*sign(elePY),posMinPositveto+0.5*(posTrk2D-5*posPY*posP)*sign(posPY)), bad events



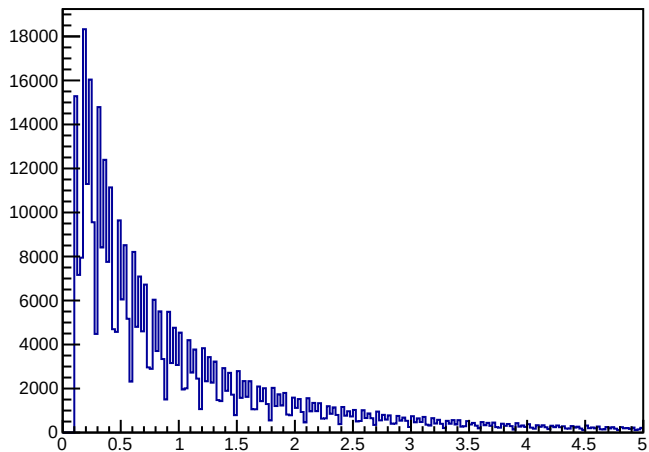
Efficiency vs. cut value



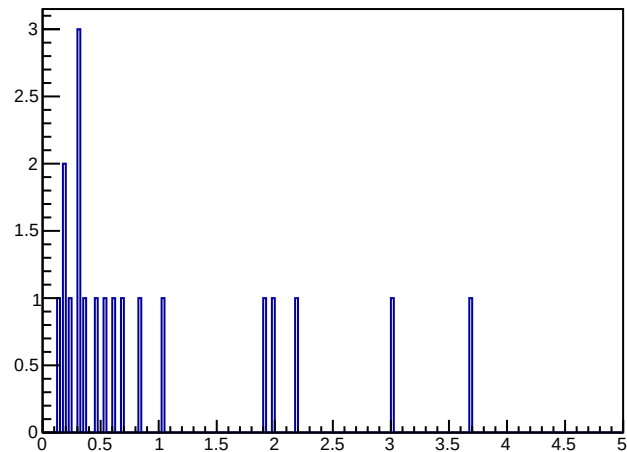
ROC curve



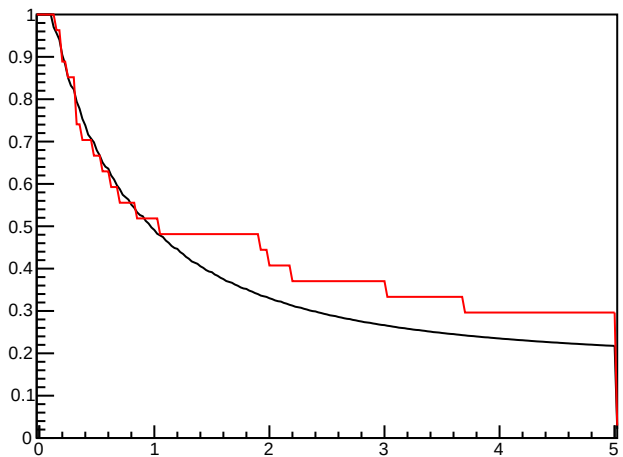
minlso, good events



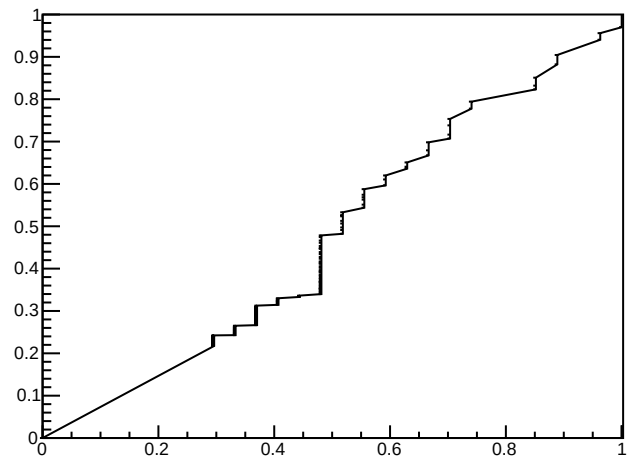
minlso, bad events



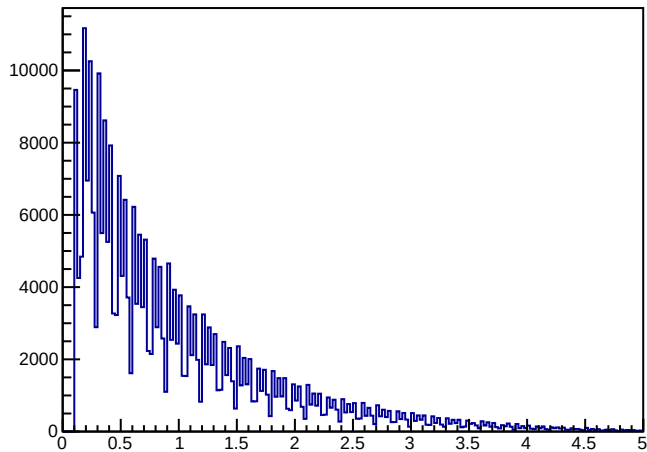
Efficiency vs. cut value



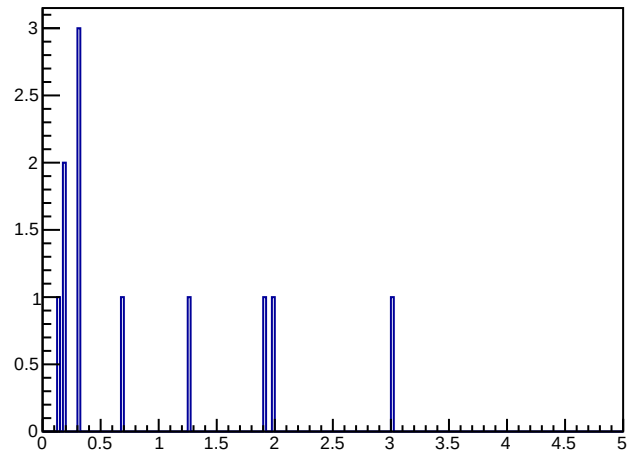
ROC curve



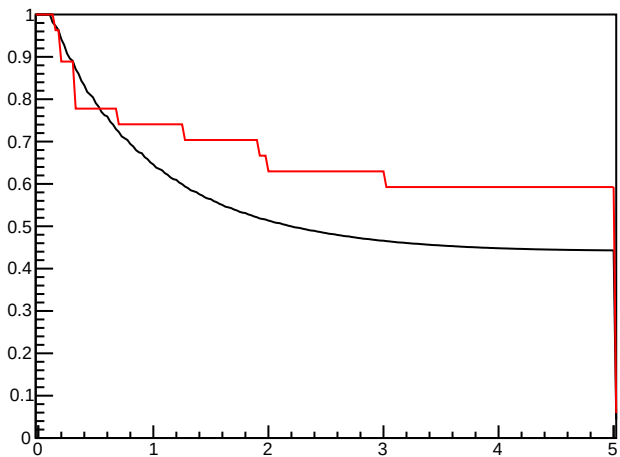
minNegativeIso, good events



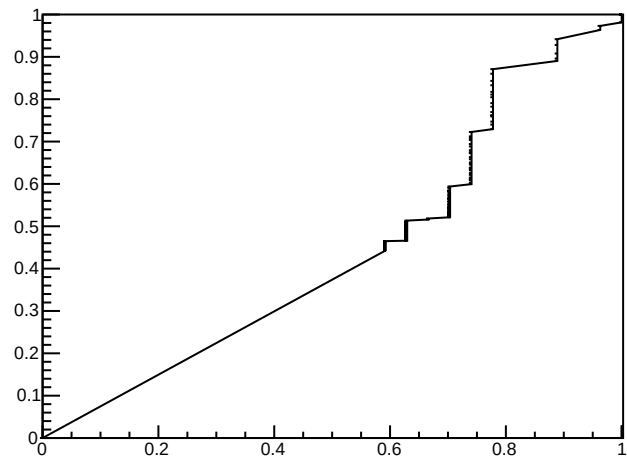
minNegativeIso, bad events



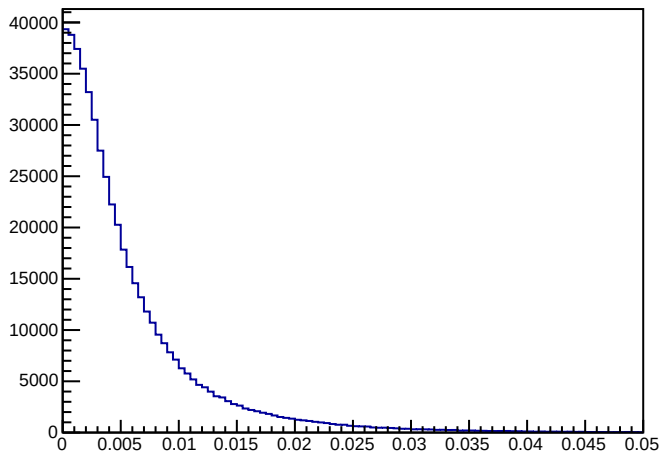
Efficiency vs. cut value



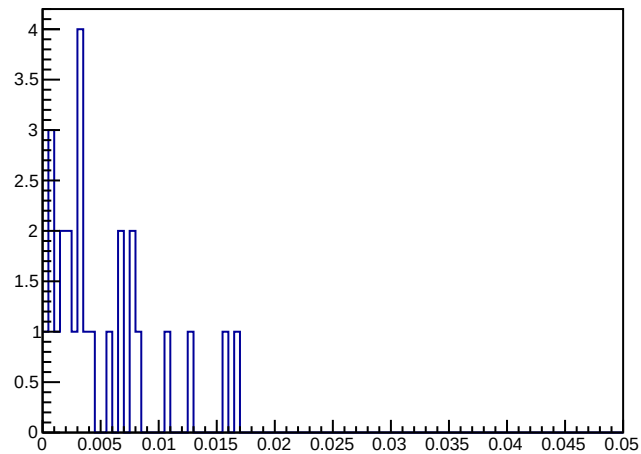
ROC curve



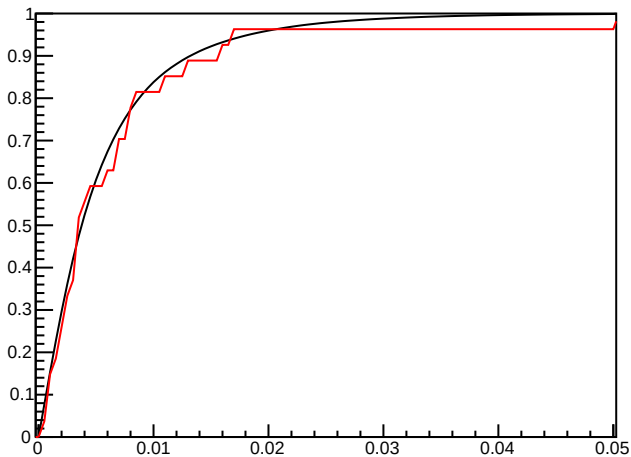
abs(bscPX/bscP), good events



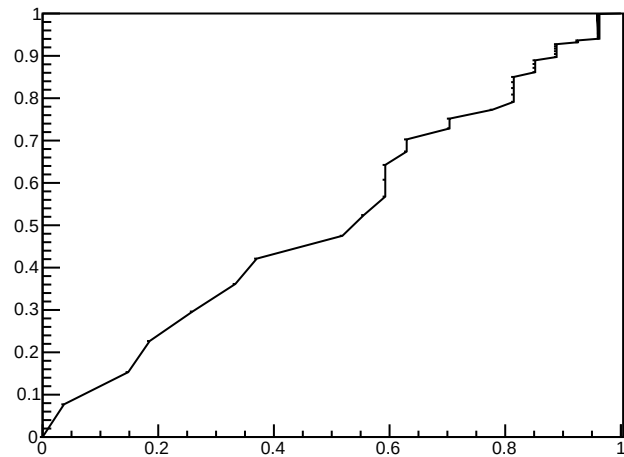
abs(bscPX/bscP), bad events



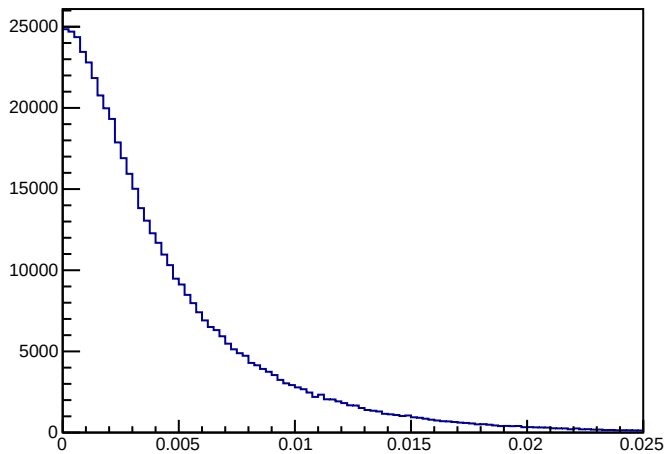
Efficiency vs. cut value



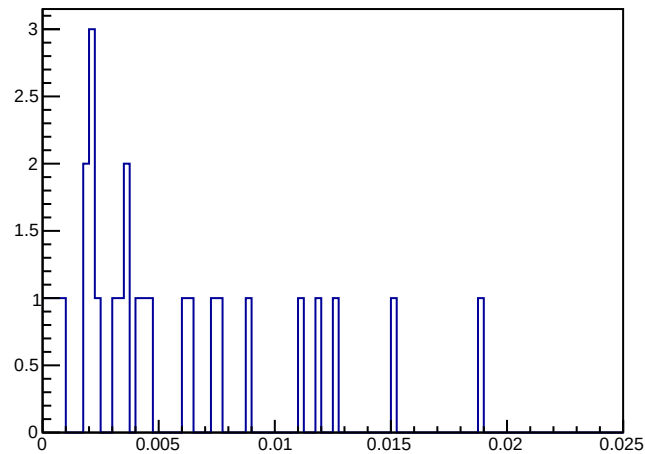
ROC curve



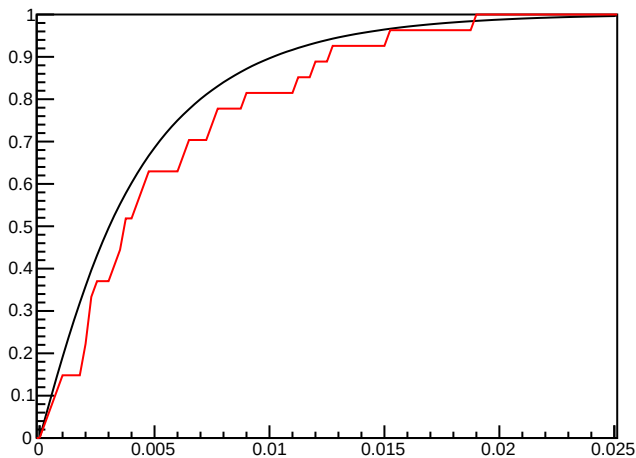
abs(bscPY/bscP), good events



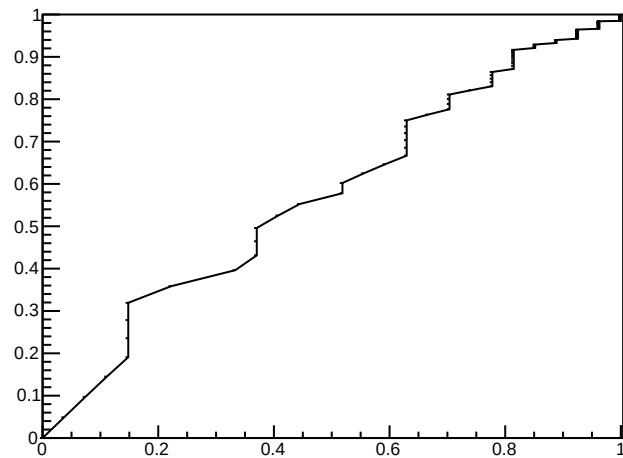
abs(bscPY/bscP), bad events



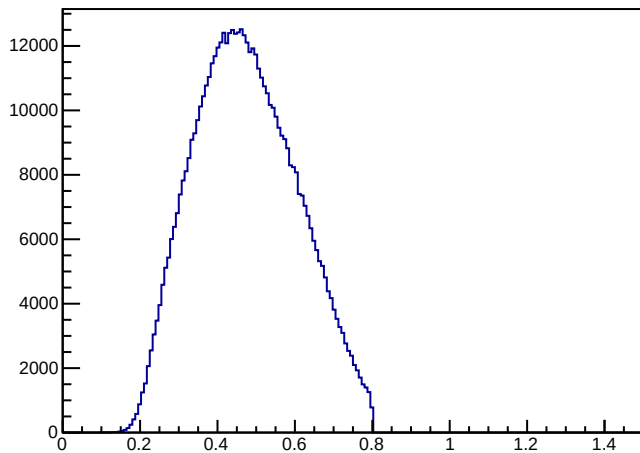
Efficiency vs. cut value



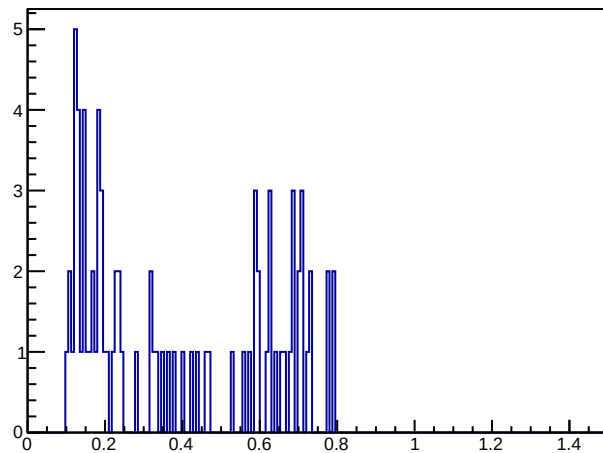
ROC curve



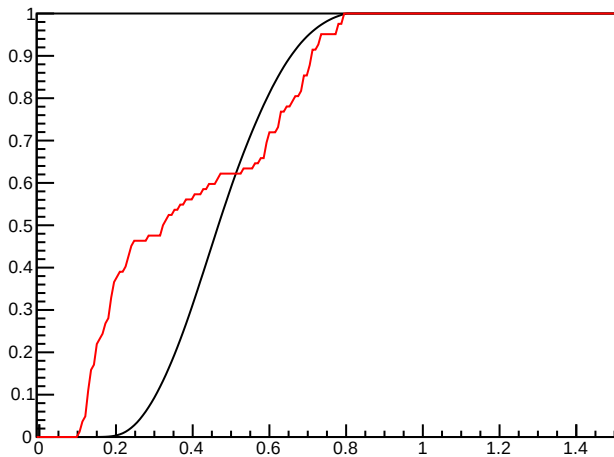
eleP, good events



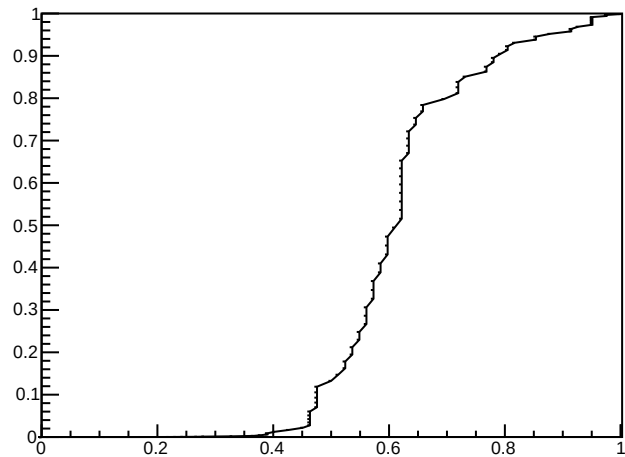
eleP, bad events



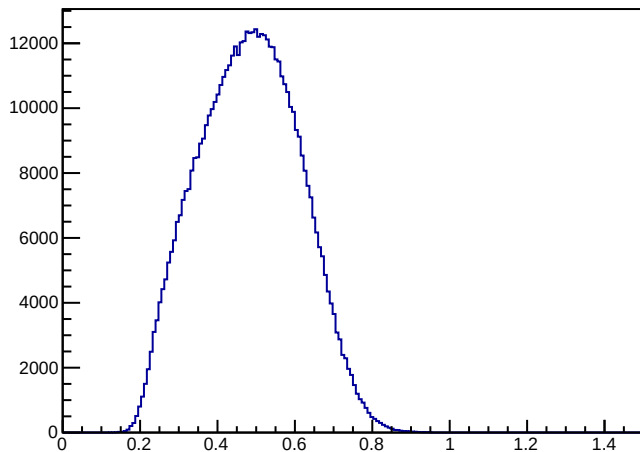
Efficiency vs. cut value



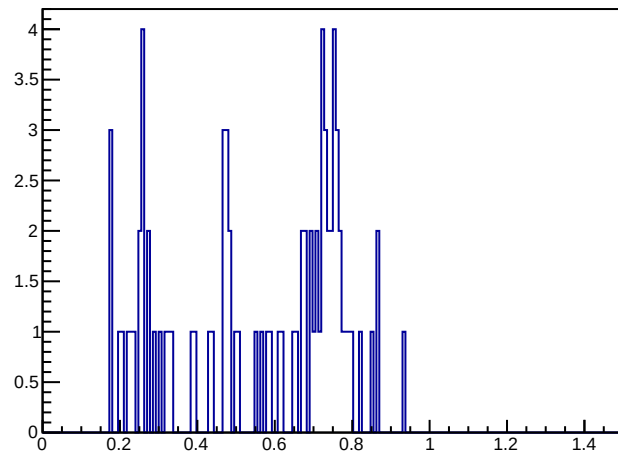
ROC curve



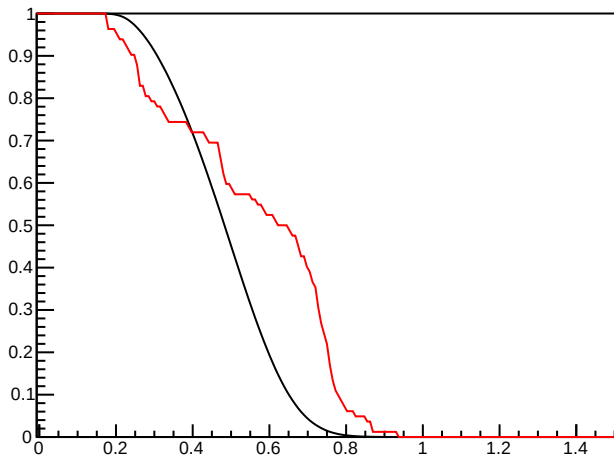
posP, good events



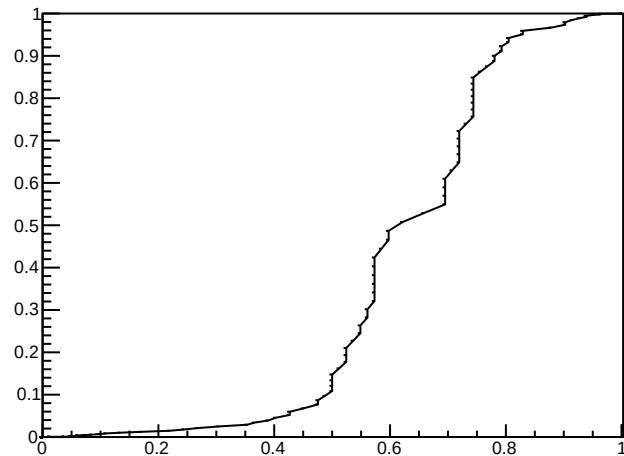
posP, bad events



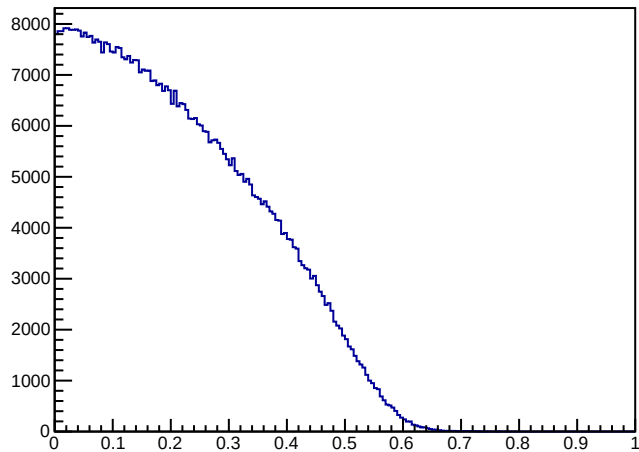
Efficiency vs. cut value



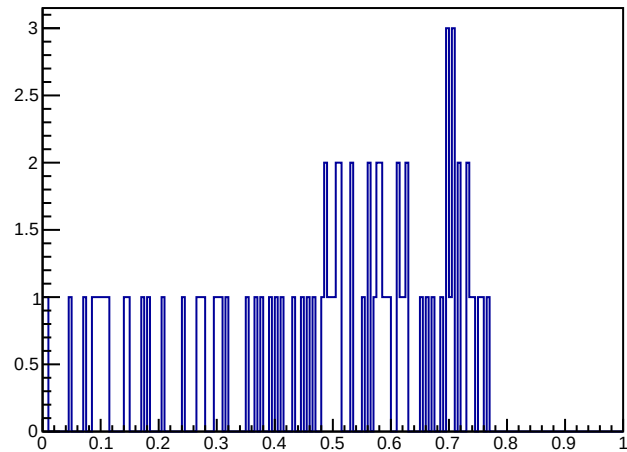
ROC curve



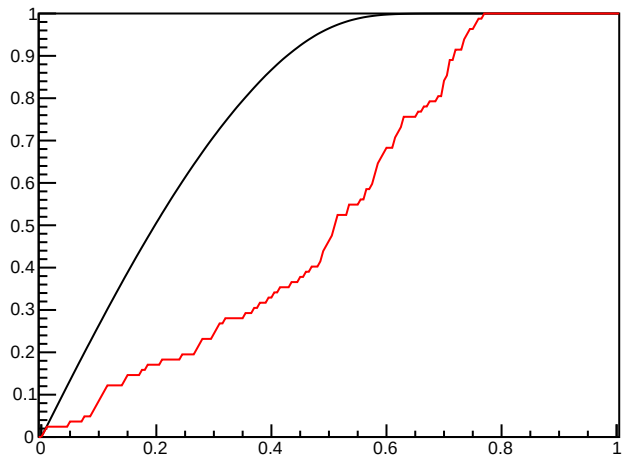
$\text{abs}(\text{eleP-posP})/(\text{eleP+posP})$, good events



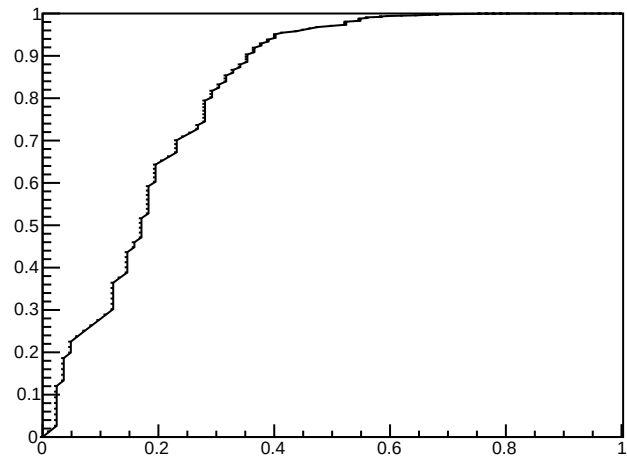
$\text{abs}(\text{eleP-posP})/(\text{eleP+posP})$, bad events



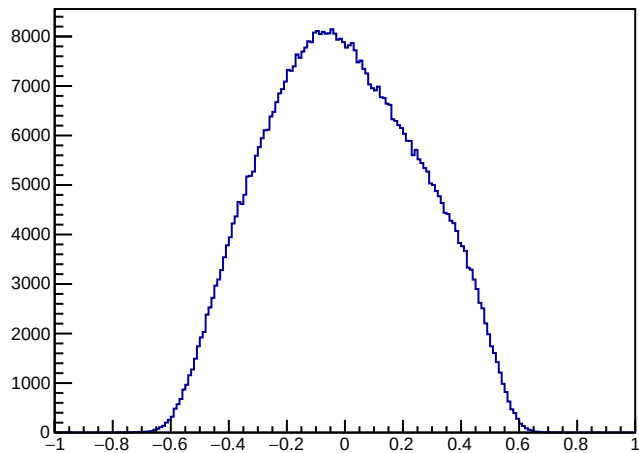
Efficiency vs. cut value



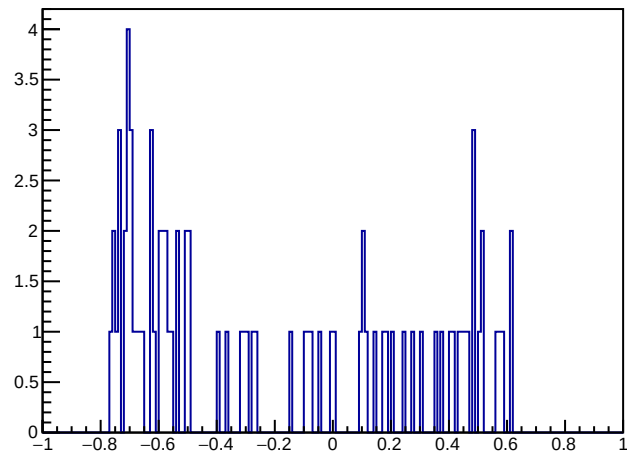
ROC curve



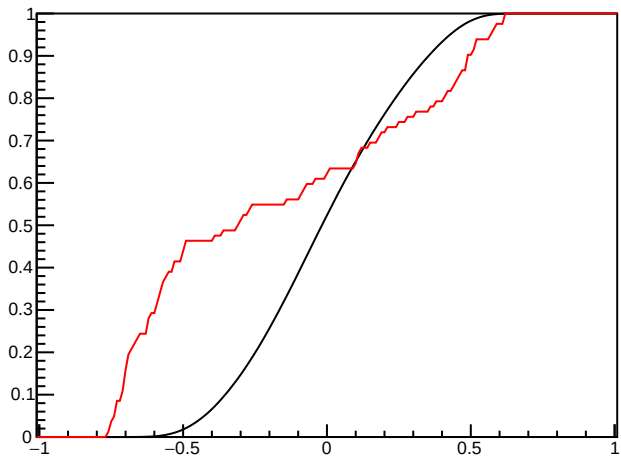
$(\text{eleP-posP})/(\text{eleP+posP})$, good events



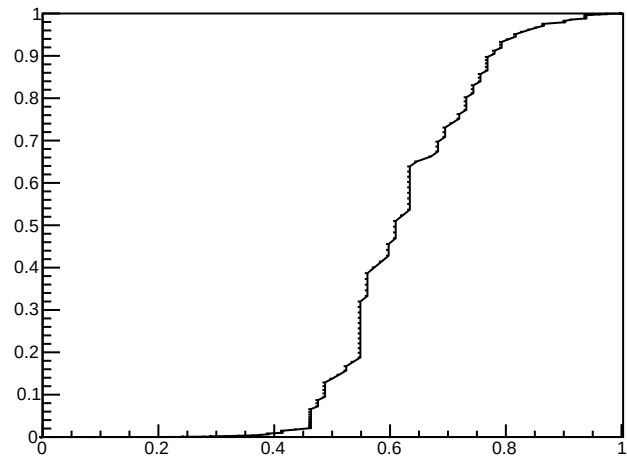
$(\text{eleP-posP})/(\text{eleP+posP})$, bad events



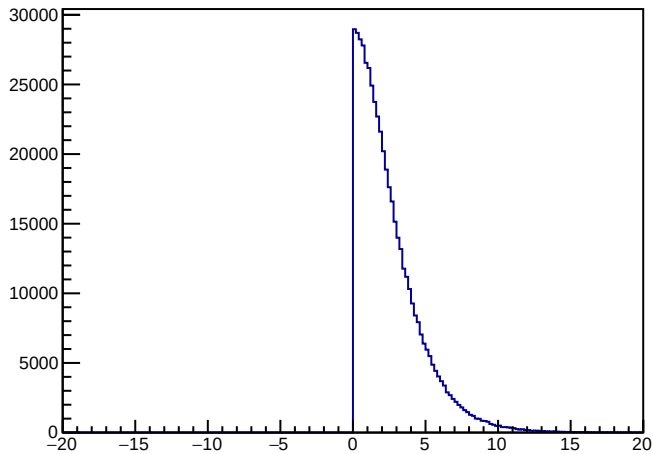
Efficiency vs. cut value



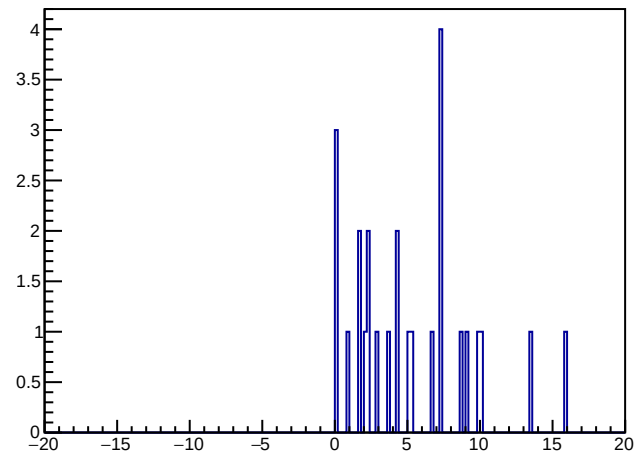
ROC curve



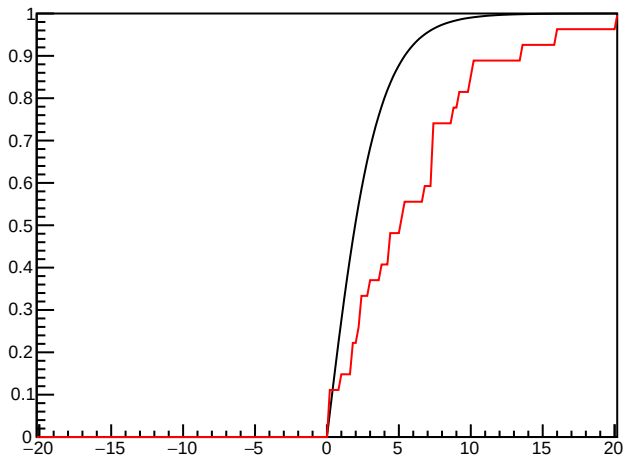
abs(eleFirstHitX-posFirstHitX+2), good events



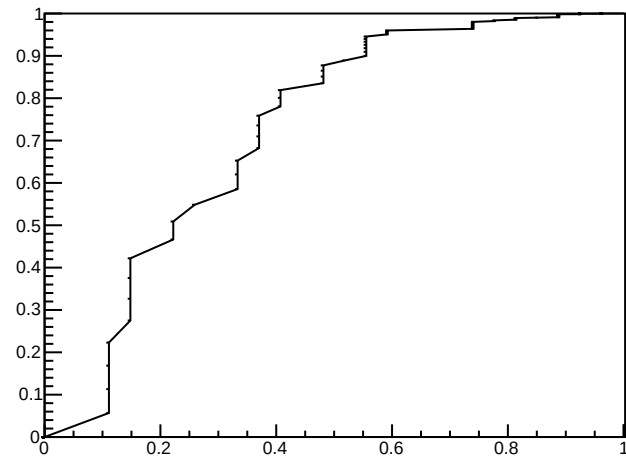
abs(eleFirstHitX-posFirstHitX+2), bad events



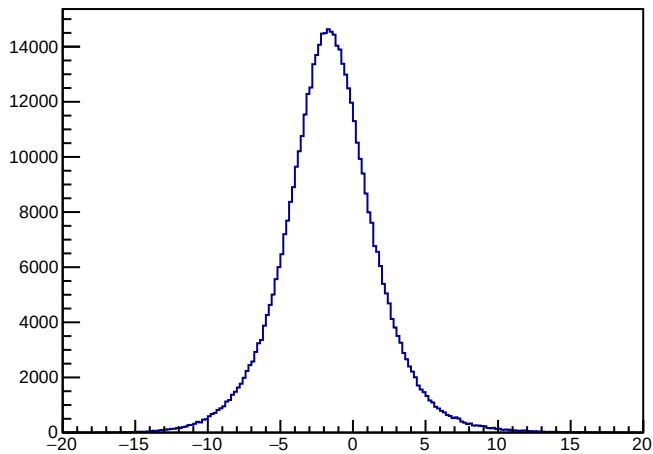
Efficiency vs. cut value



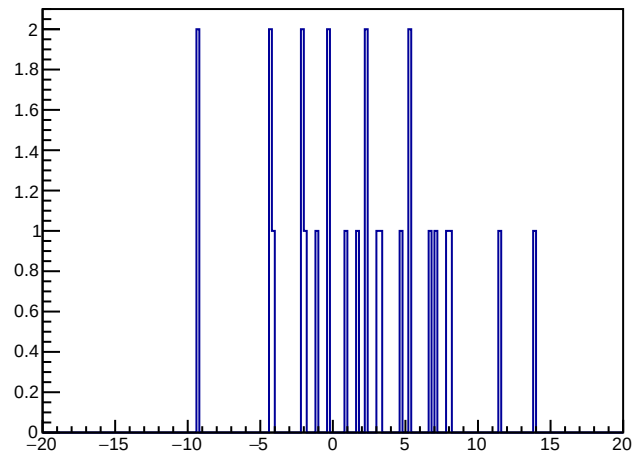
ROC curve



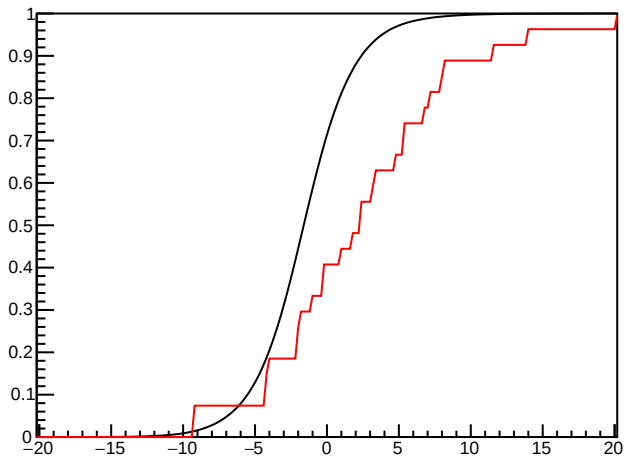
eleFirstHitX-posFirstHitX, good events



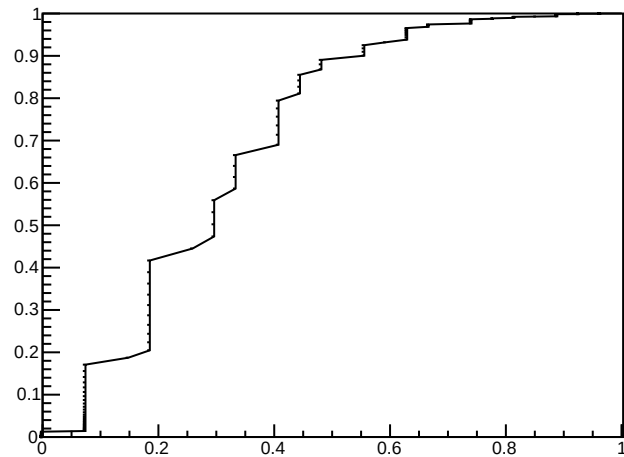
eleFirstHitX-posFirstHitX, bad events



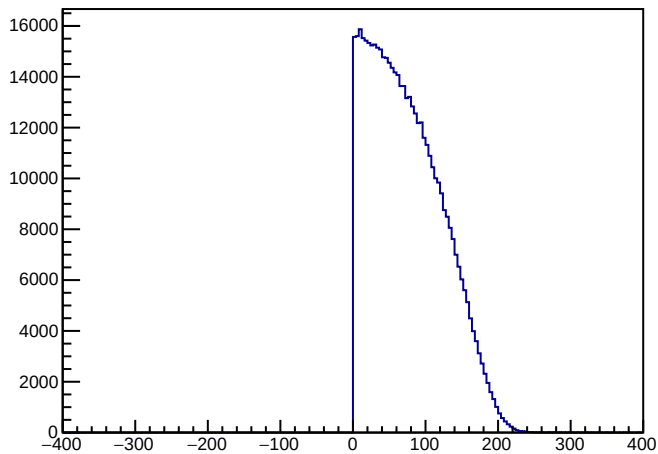
Efficiency vs. cut value



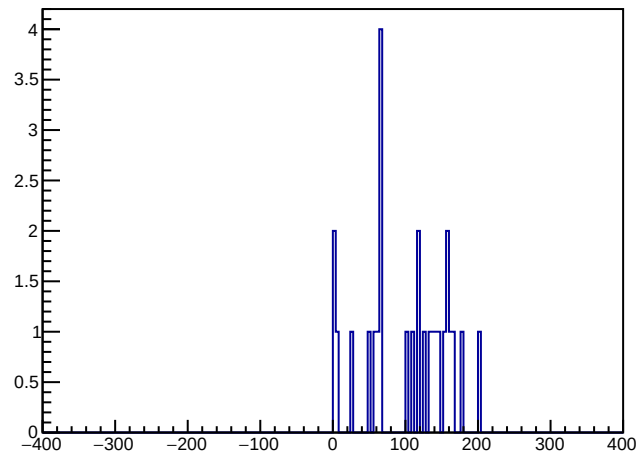
ROC curve



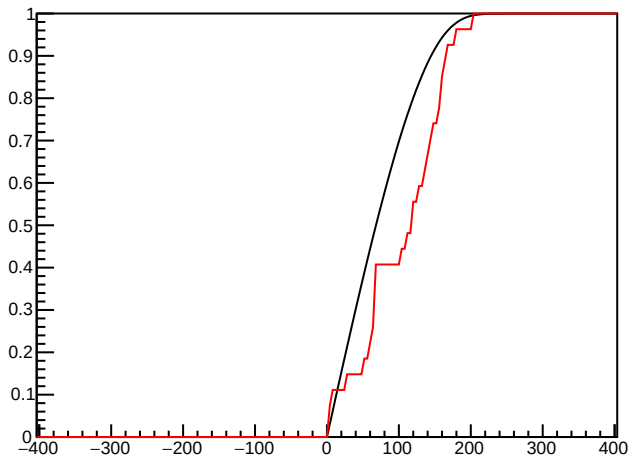
$\text{abs}(\text{eleFirstHitX} - \text{posFirstHitX} + 2) / \text{uncM}$, good events



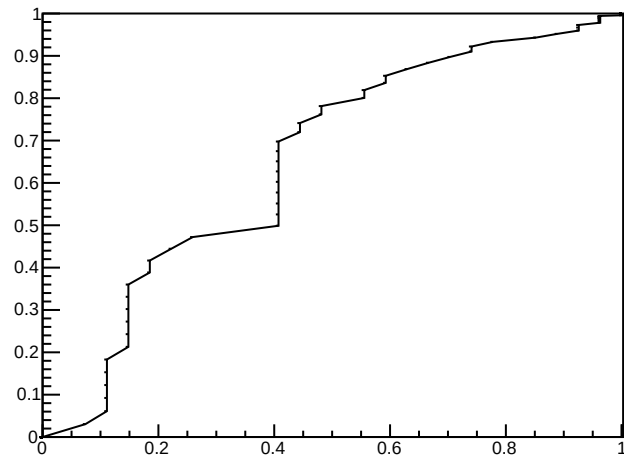
$\text{abs}(\text{eleFirstHitX} - \text{posFirstHitX} + 2) / \text{uncM}$, bad events



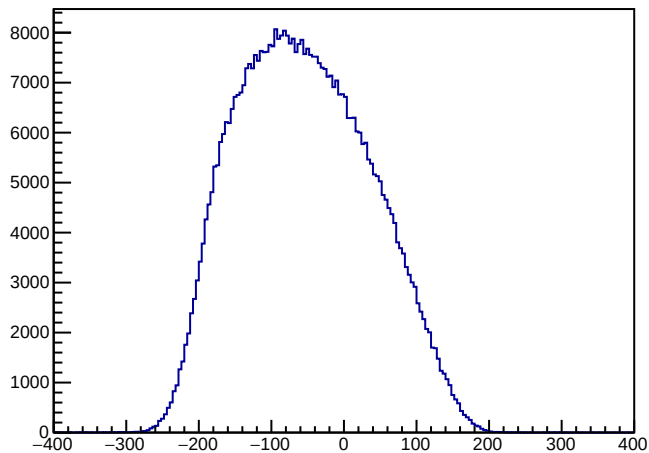
Efficiency vs. cut value



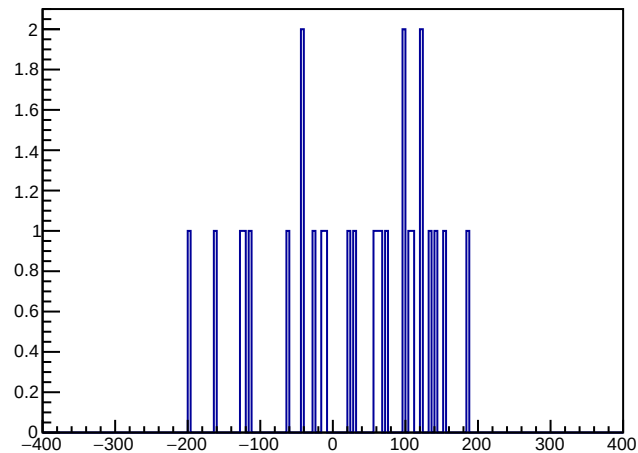
ROC curve



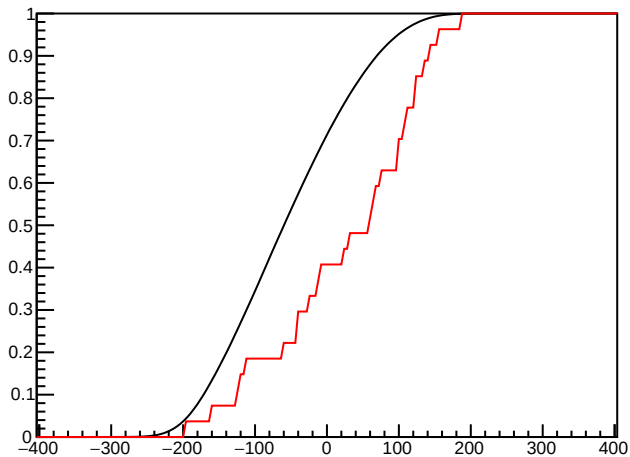
(eleFirstHitX-posFirstHitX)/uncM, good events



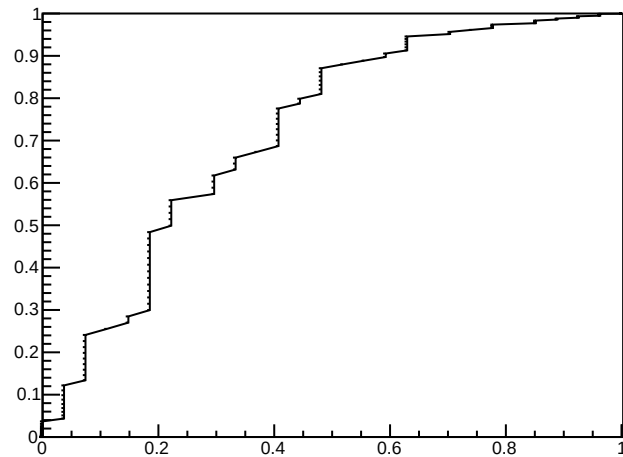
(eleFirstHitX-posFirstHitX)/uncM, bad events



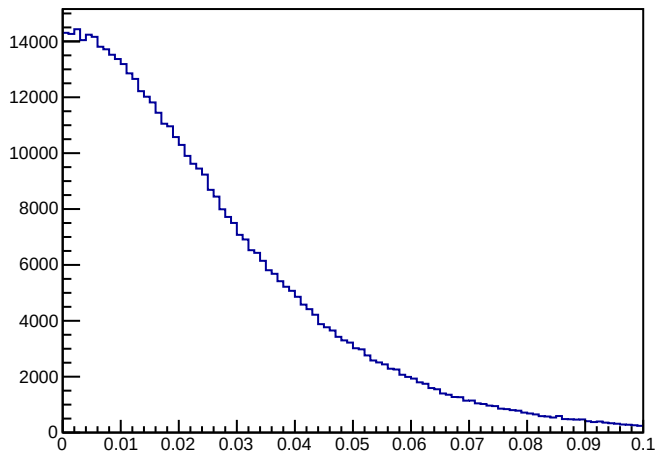
Efficiency vs. cut value



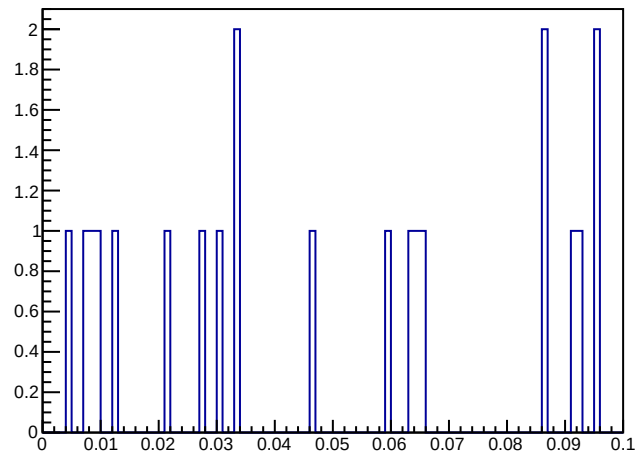
ROC curve



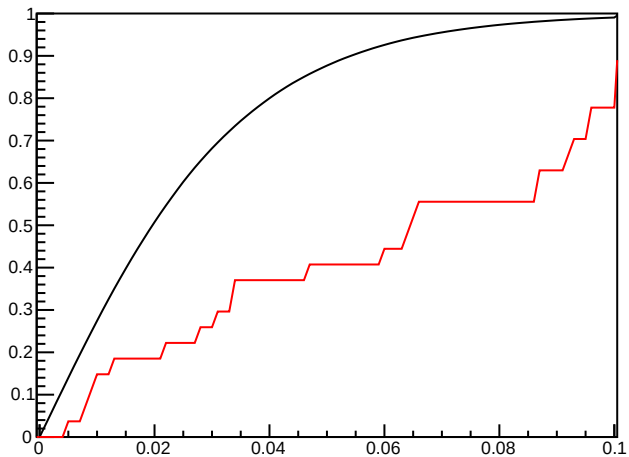
$\text{abs}(\text{elePX}/\text{eleP-posPX}/\text{posP})$, good events



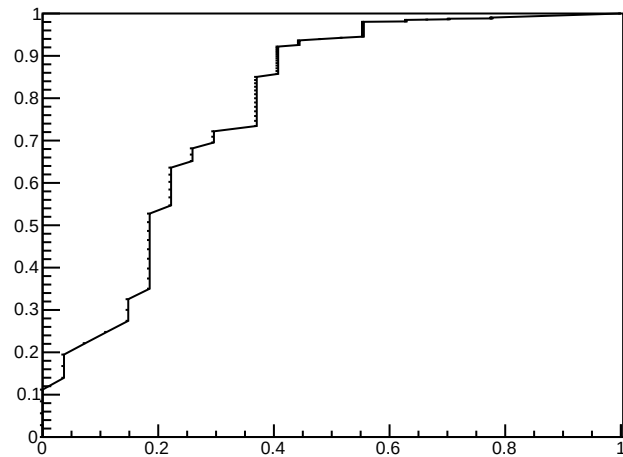
$\text{abs}(\text{elePX}/\text{eleP-posPX}/\text{posP})$, bad events



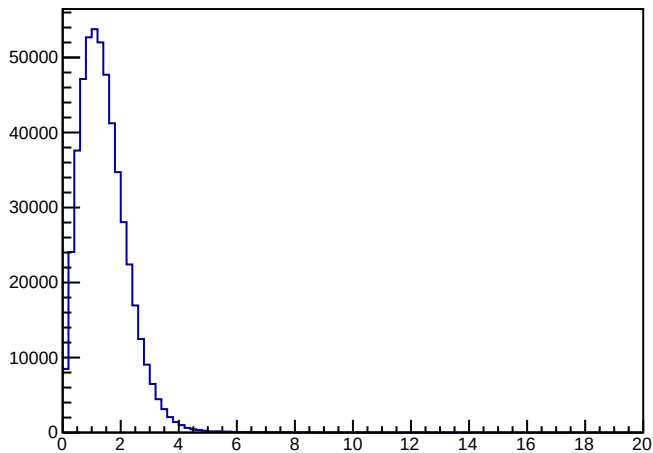
Efficiency vs. cut value



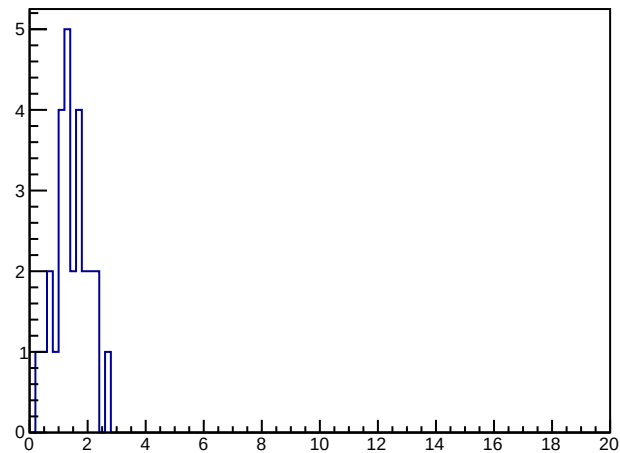
ROC curve



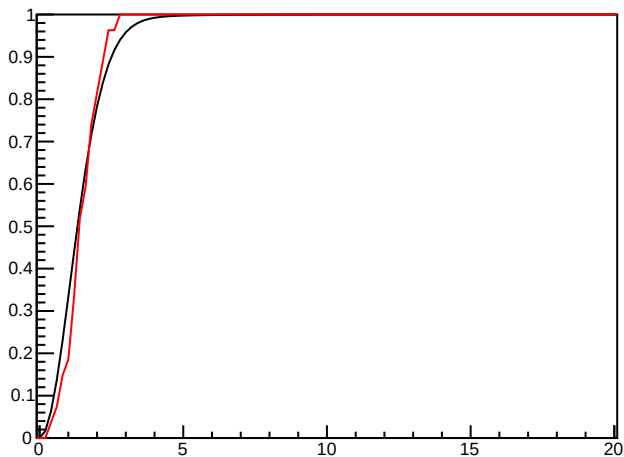
$\max(\text{abs}(\text{eleCIT}-\text{eleTrkT}-43), \text{abs}(\text{posCIT}-\text{posTrkT}-43))$, good events



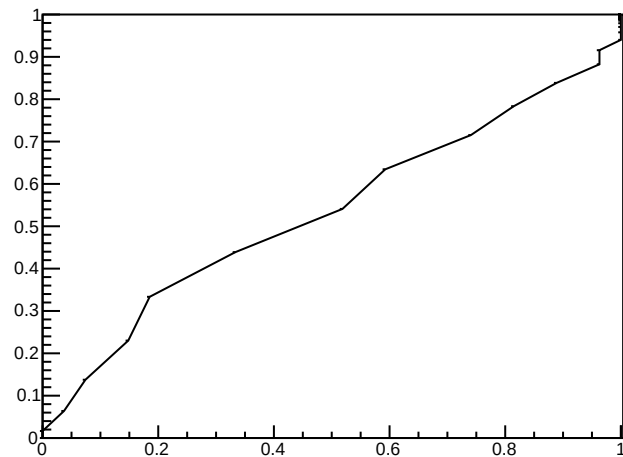
$\max(\text{abs}(\text{eleCIT}-\text{eleTrkT}-43), \text{abs}(\text{posCIT}-\text{posTrkT}-43))$, bad events



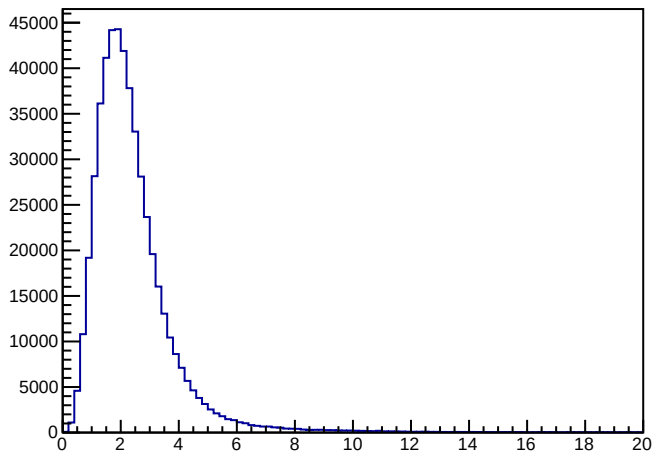
Efficiency vs. cut value



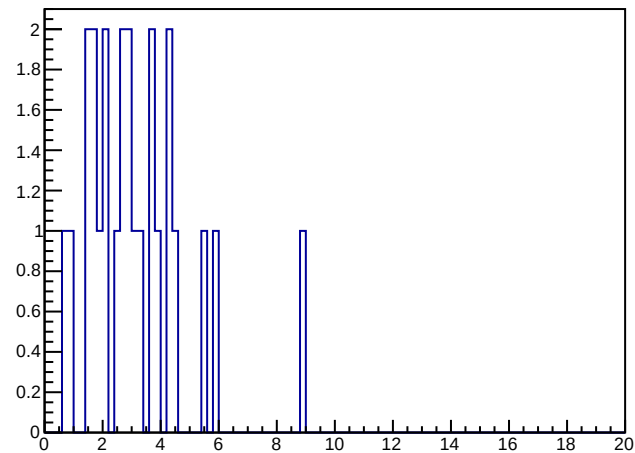
ROC curve



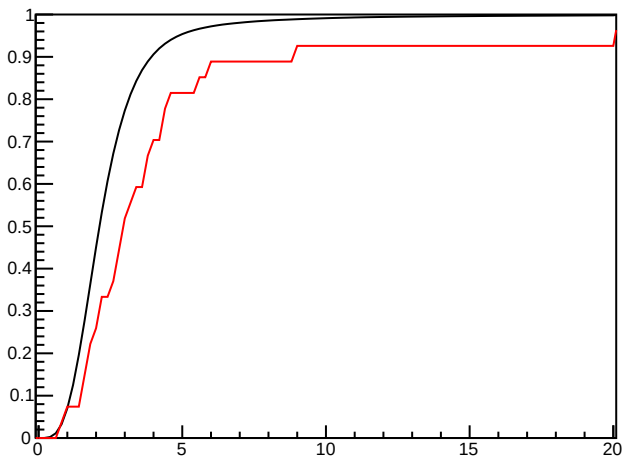
max(eleMatchChisq,posMatchChisq), good events



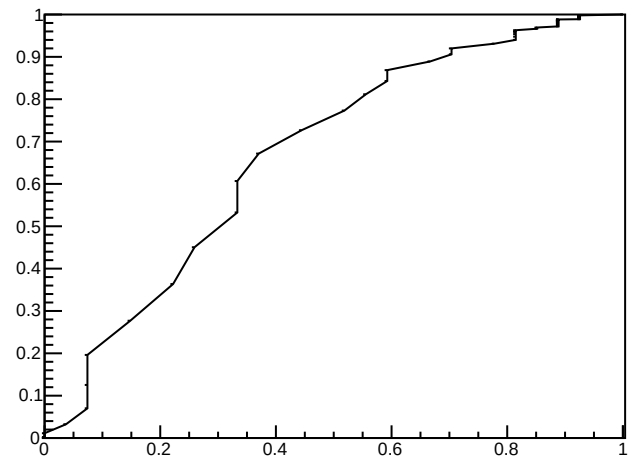
max(eleMatchChisq,posMatchChisq), bad events



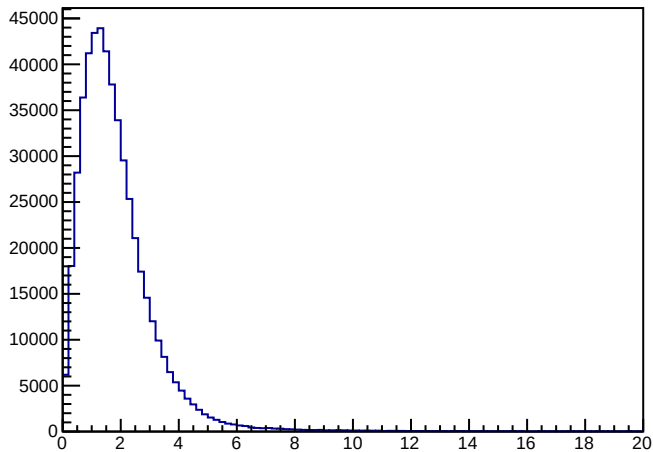
Efficiency vs. cut value



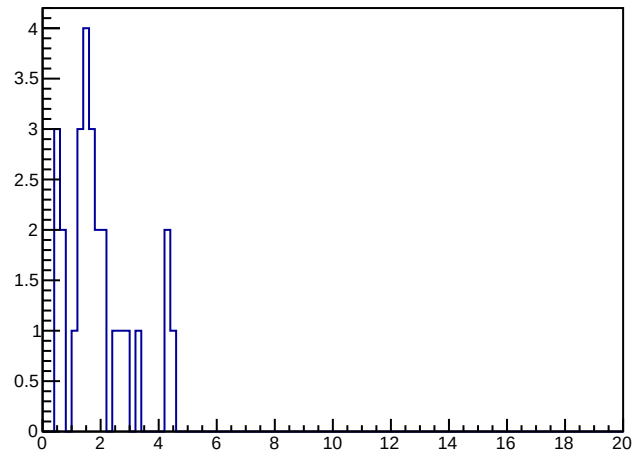
ROC curve



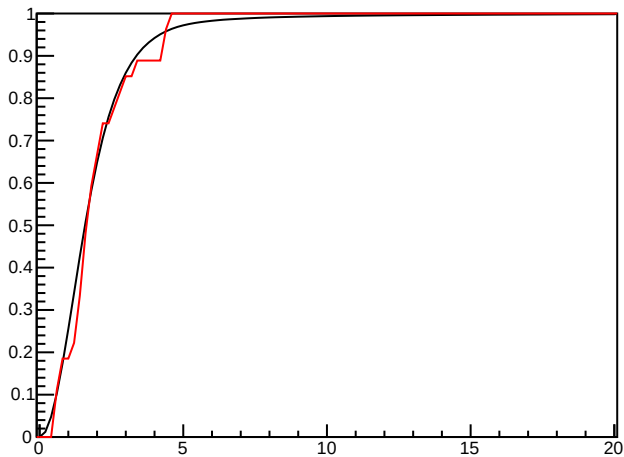
eleMatchChisq, good events



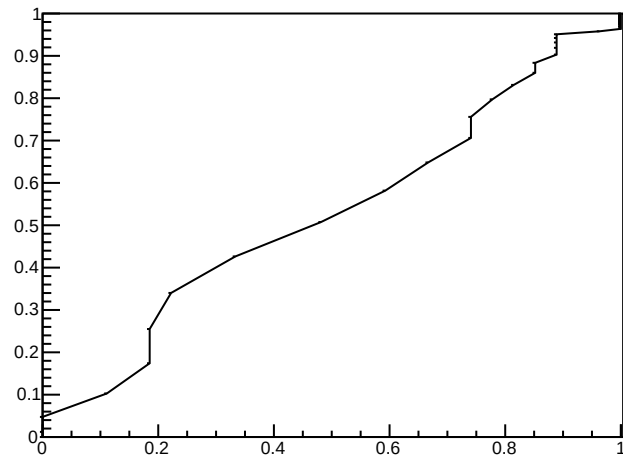
eleMatchChisq, bad events



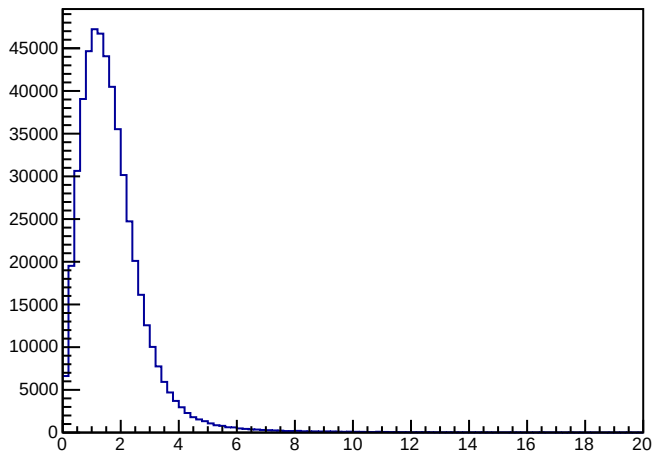
Efficiency vs. cut value



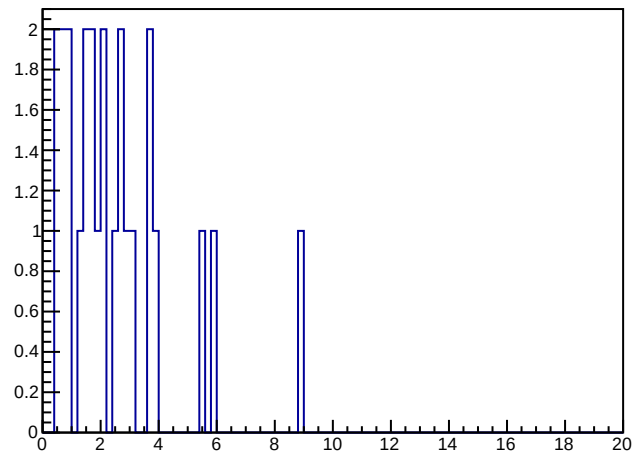
ROC curve



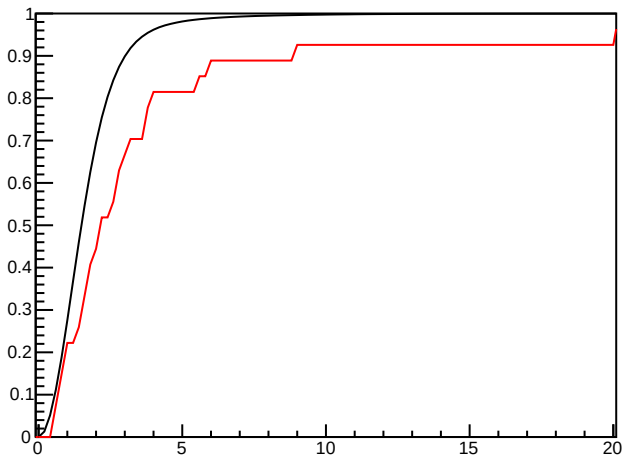
posMatchChisq, good events



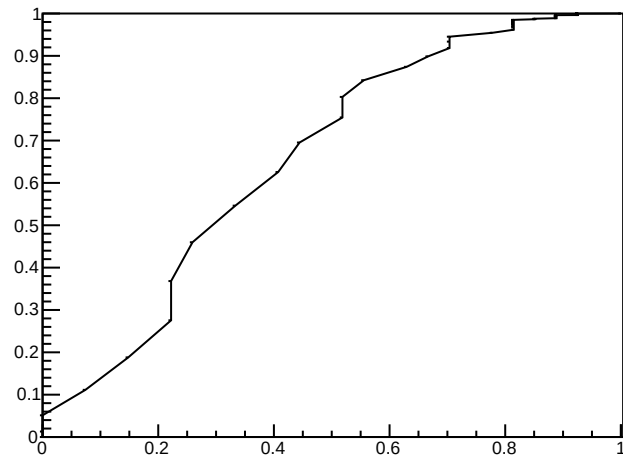
posMatchChisq, bad events



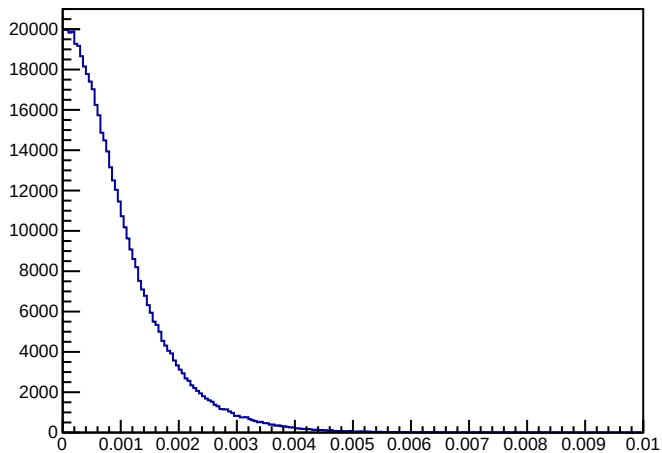
Efficiency vs. cut value



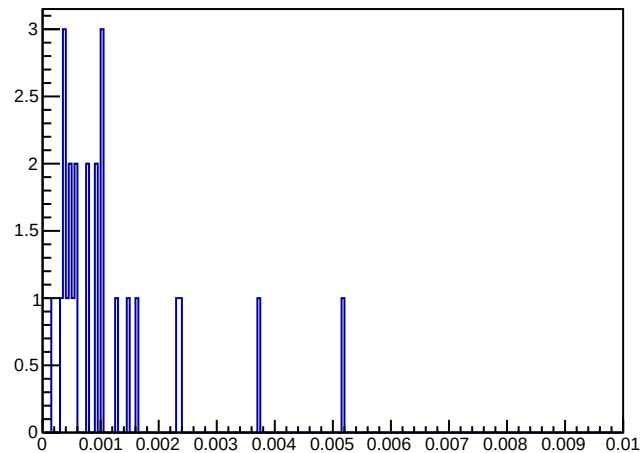
ROC curve



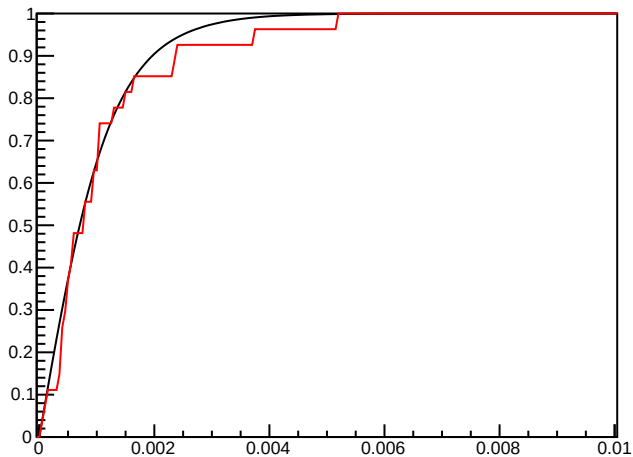
$\text{abs}(\text{elePhiKink2} + \text{elePhiKink3})$, good events



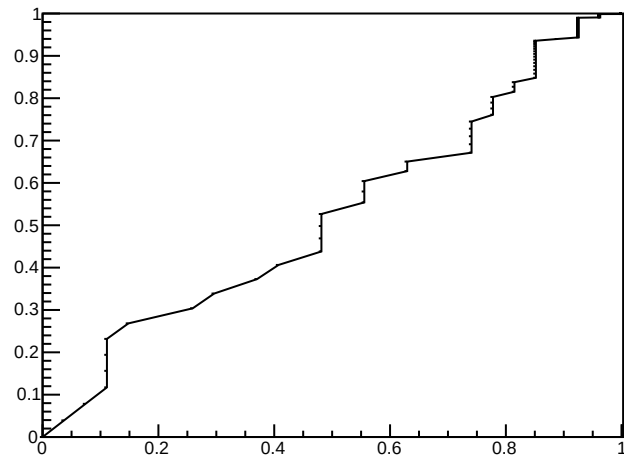
$\text{abs}(\text{elePhiKink2} + \text{elePhiKink3})$, bad events



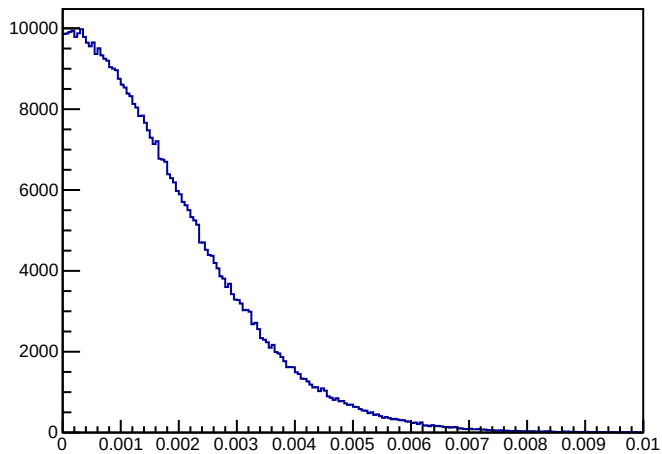
Efficiency vs. cut value



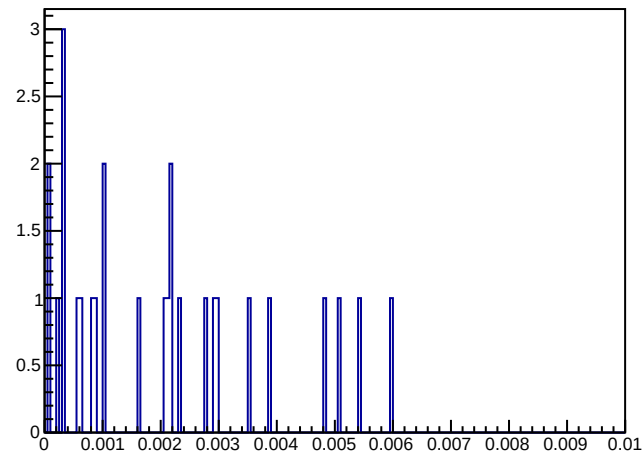
ROC curve



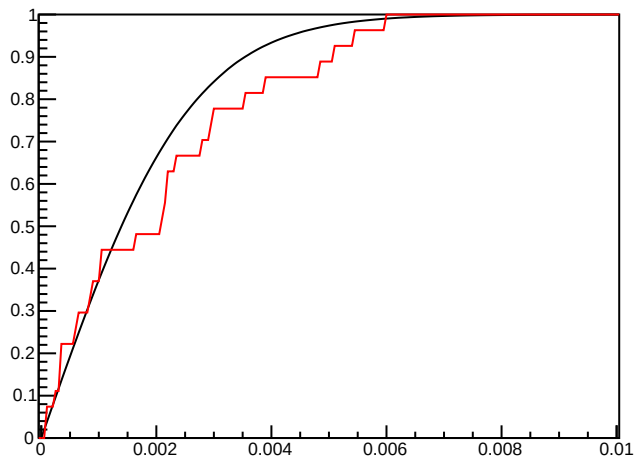
$\text{abs}(\text{ele}\Lambda\text{bdaKink1} + \text{ele}\Lambda\text{bdaKink2}) - (\text{pos}\Lambda\text{bdaKink1} + \text{pos}\Lambda\text{bdaKink2})$, good events



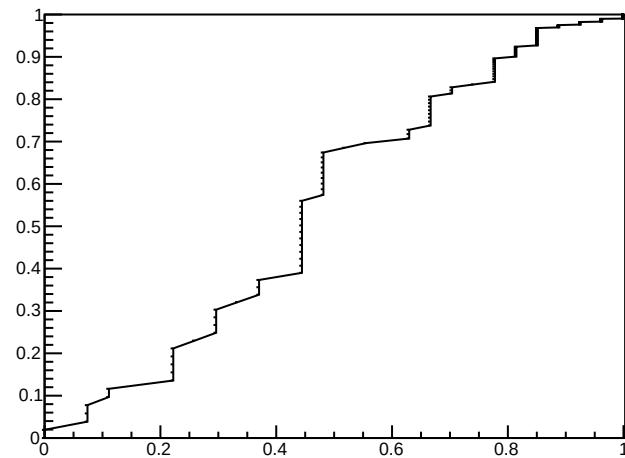
$\text{abs}(\text{ele}\Lambda\text{bdaKink1} + \text{ele}\Lambda\text{bdaKink2}) - (\text{pos}\Lambda\text{bdaKink1} + \text{pos}\Lambda\text{bdaKink2})$, bad events



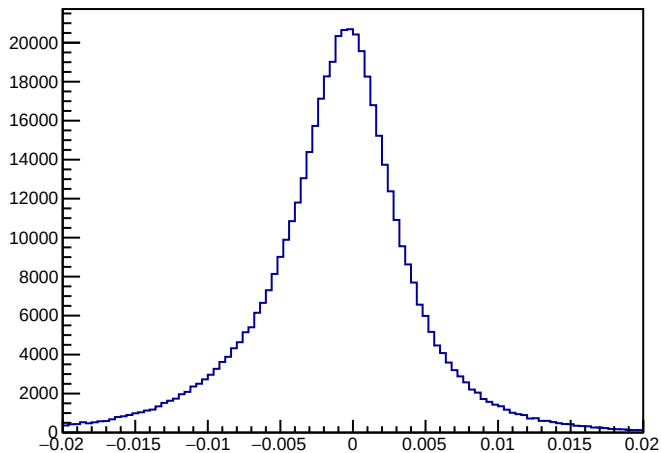
Efficiency vs. cut value



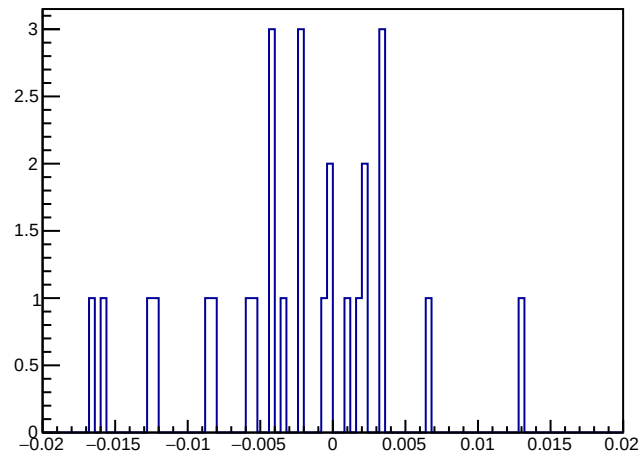
ROC curve



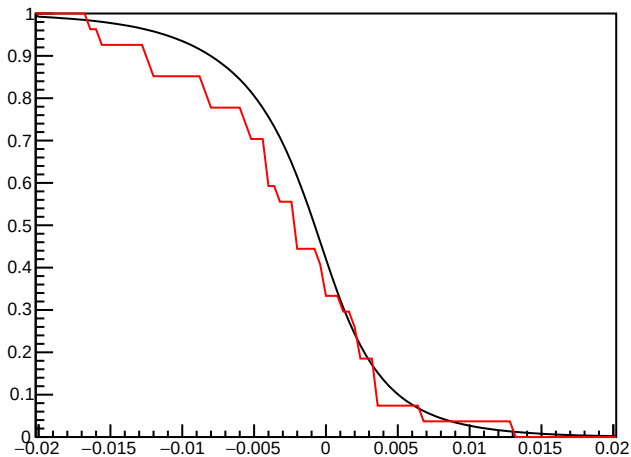
bscPY*sign(posPY), good events



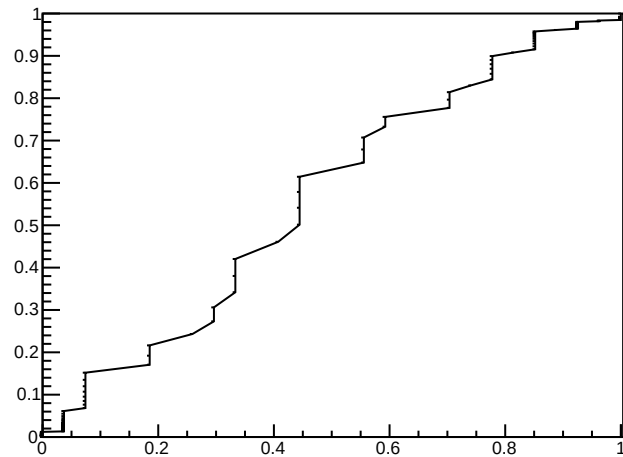
bscPY*sign(posPY), bad events



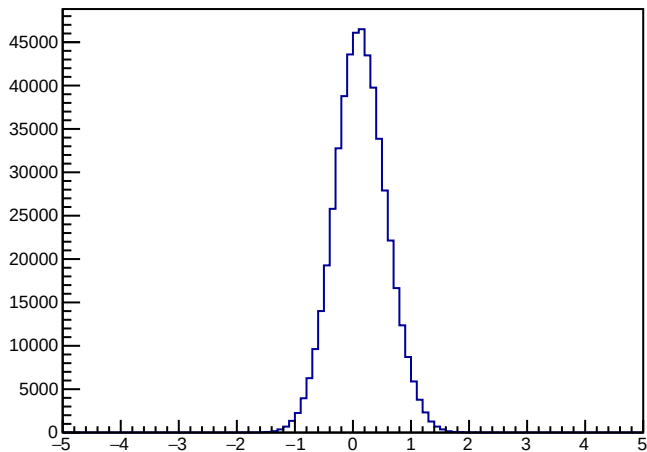
Efficiency vs. cut value



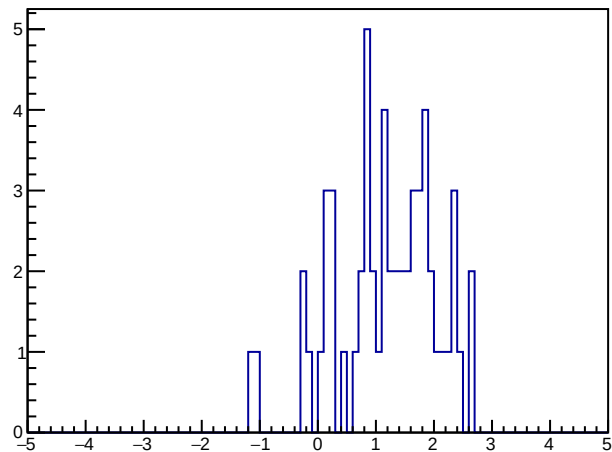
ROC curve



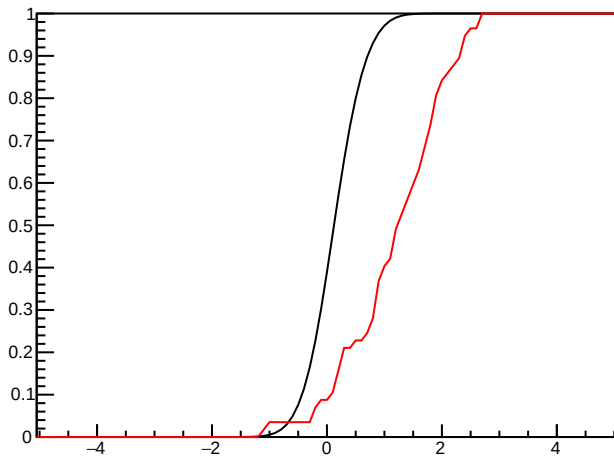
posTrkD0, good events



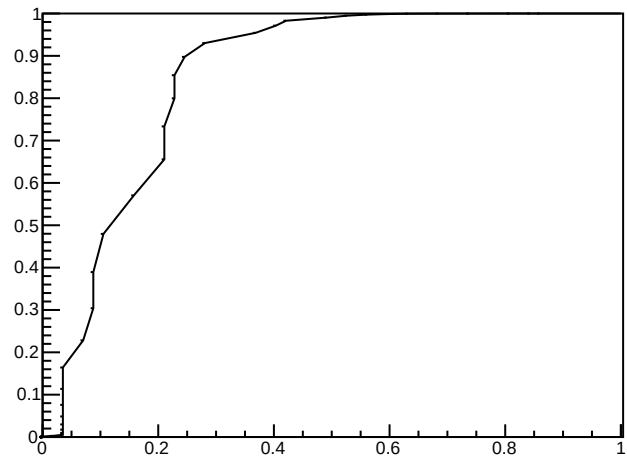
posTrkD0, bad events



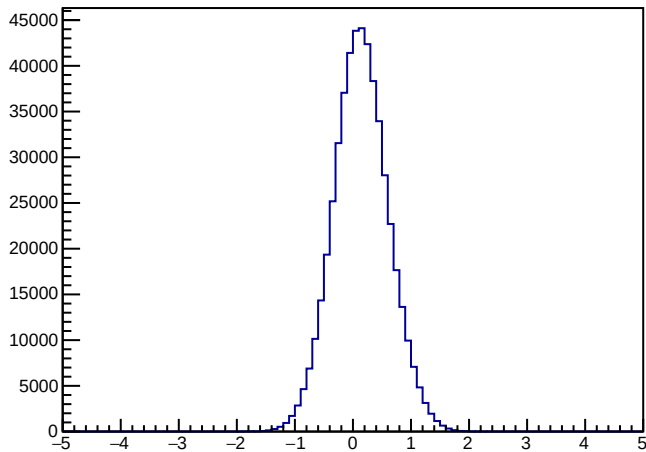
Efficiency vs. cut value



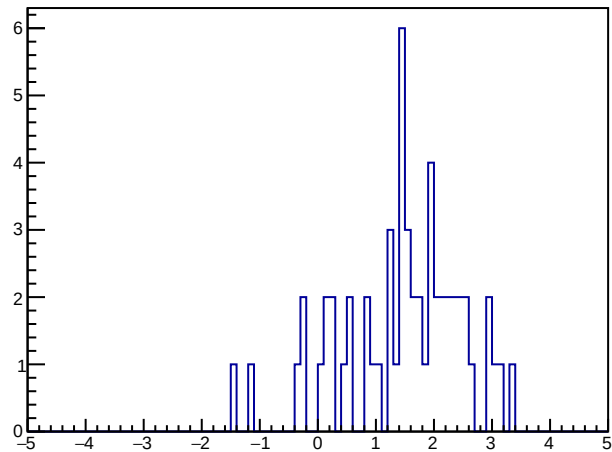
ROC curve



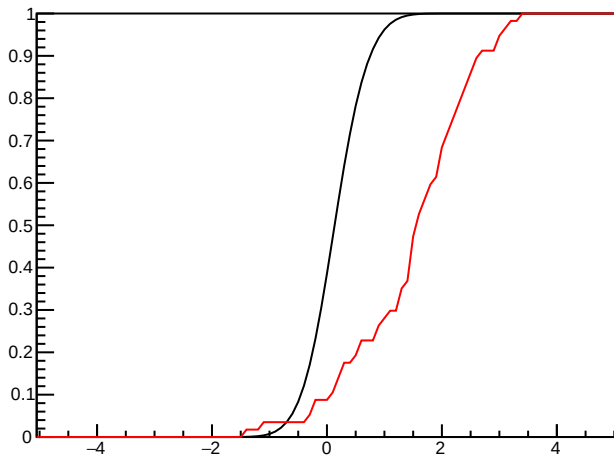
posTrkD0-5*posPX/posP, good events



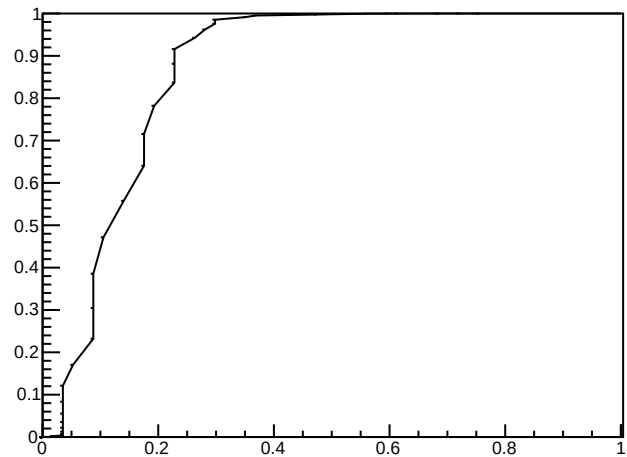
posTrkD0-5*posPX/posP, bad events



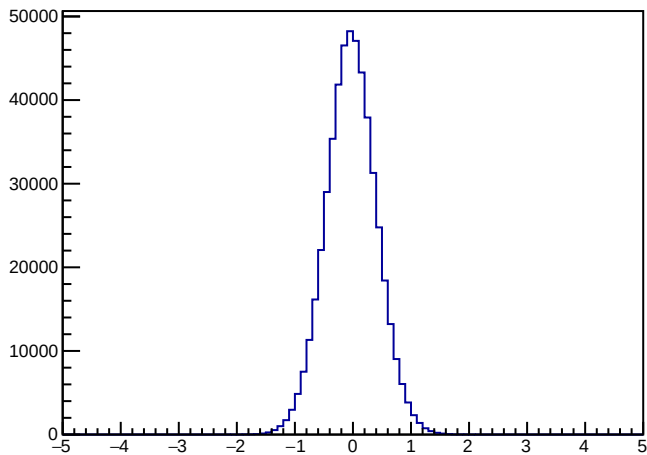
Efficiency vs. cut value



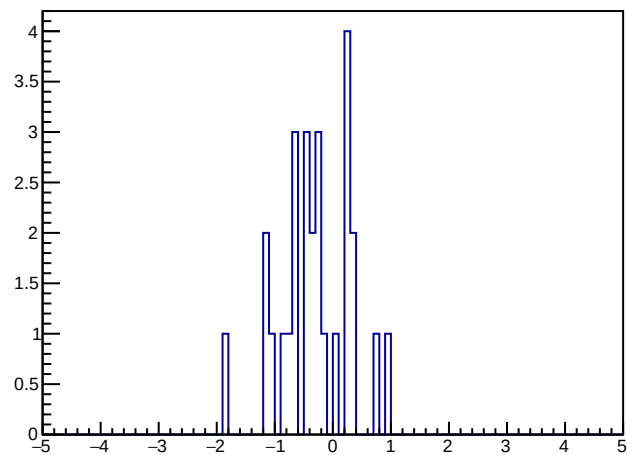
ROC curve



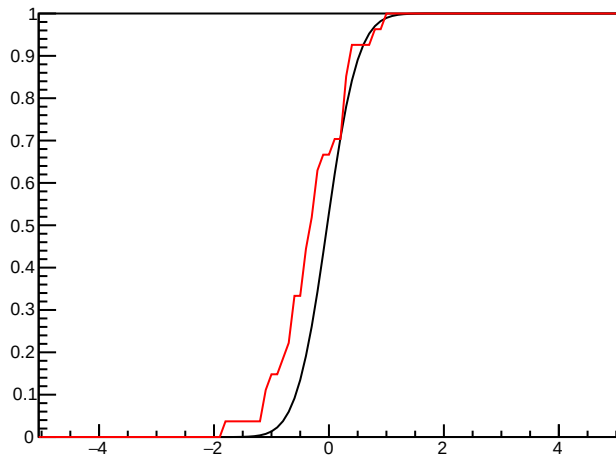
eleTrkD0, good events



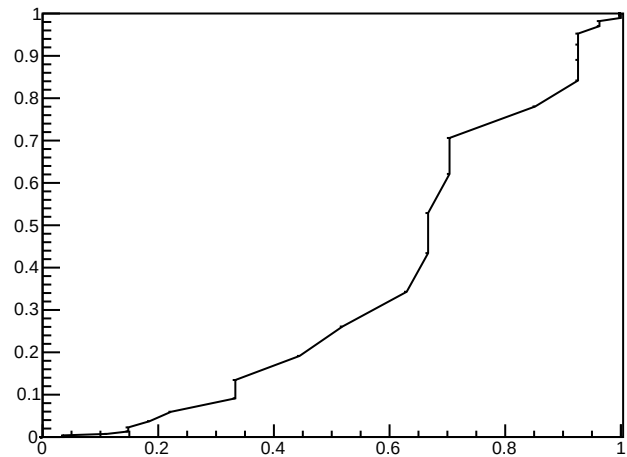
eleTrkD0, bad events



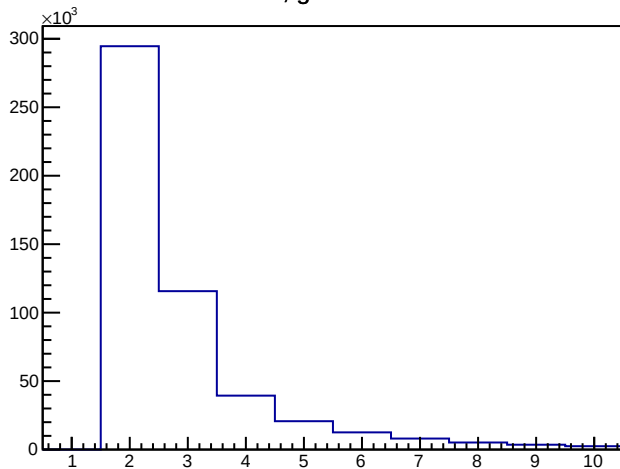
Efficiency vs. cut value



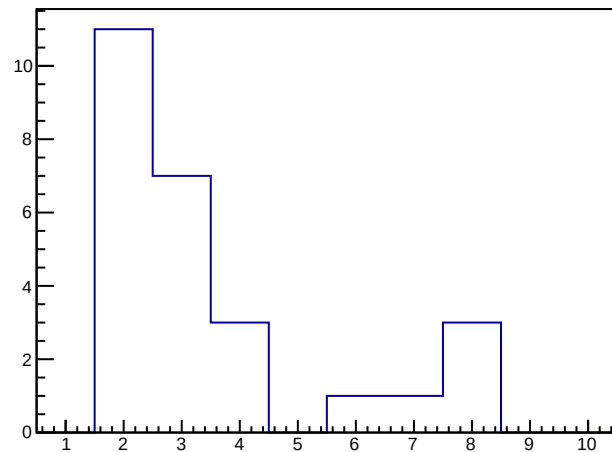
ROC curve



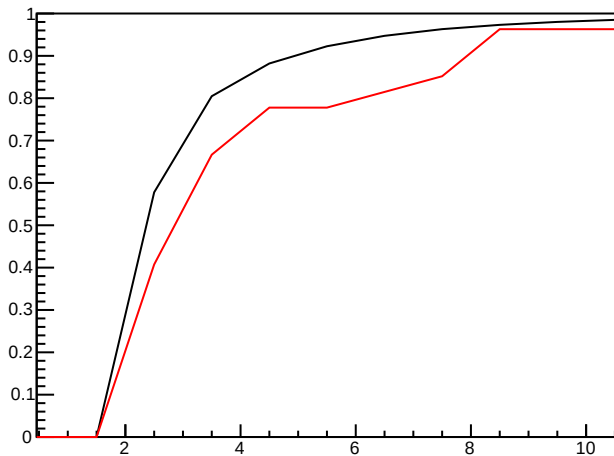
nTrk, good events



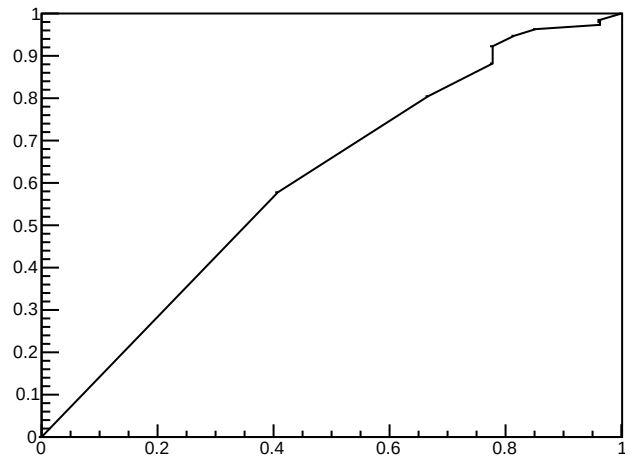
nTrk, bad events



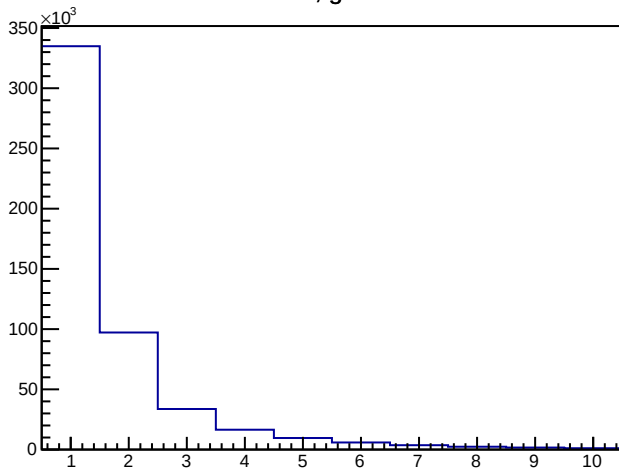
Efficiency vs. cut value



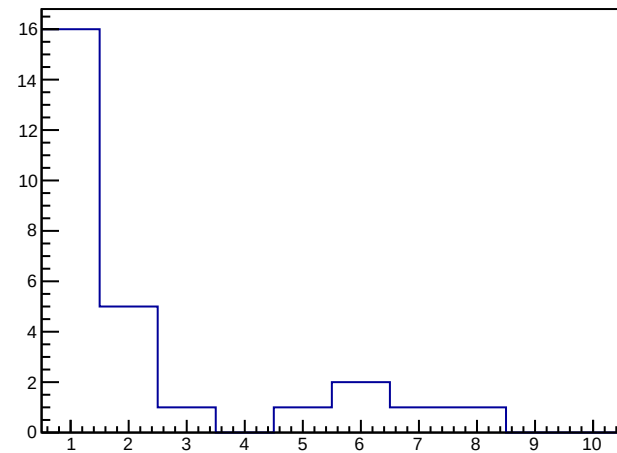
ROC curve



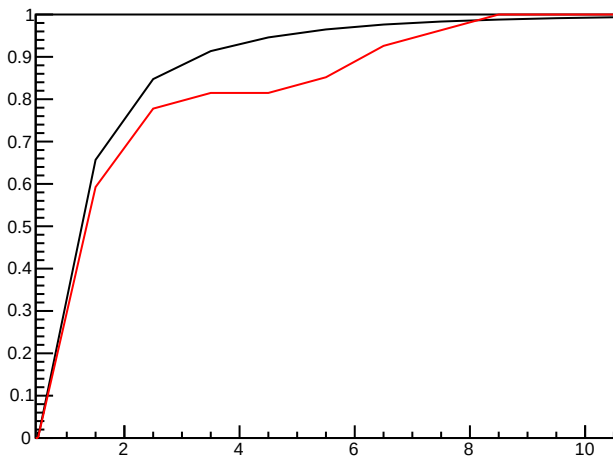
nTrk-nPos, good events



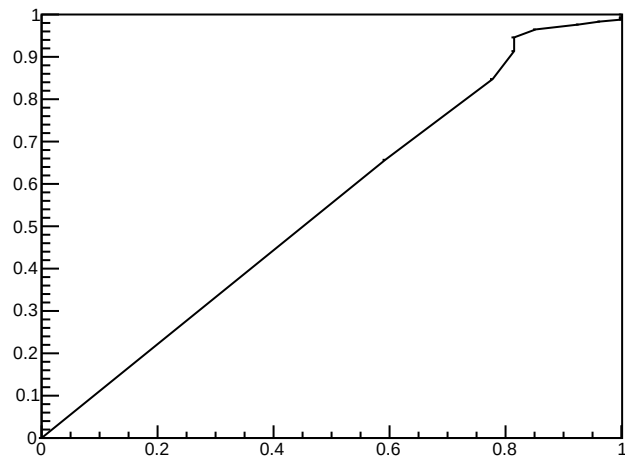
nTrk-nPos, bad events



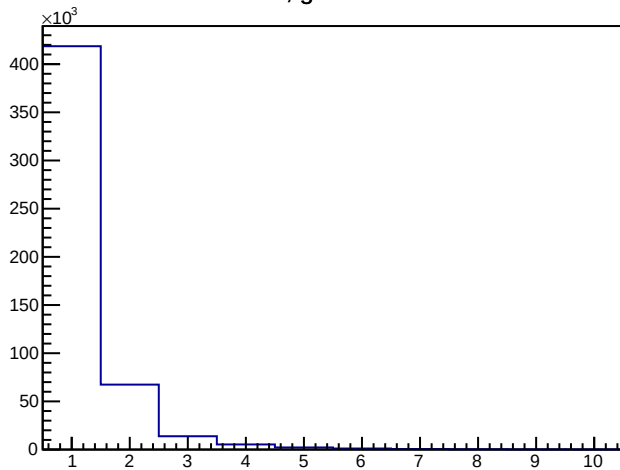
Efficiency vs. cut value



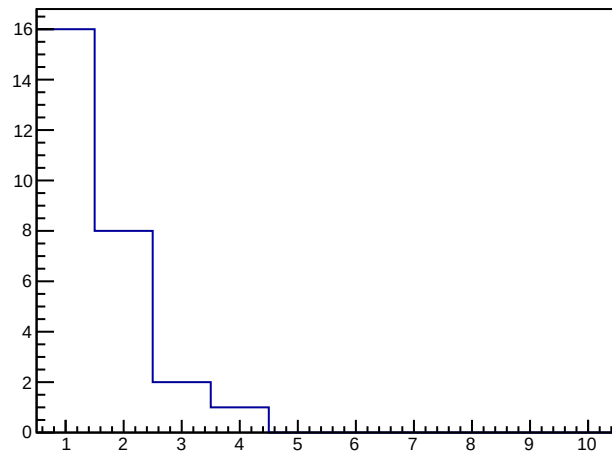
ROC curve



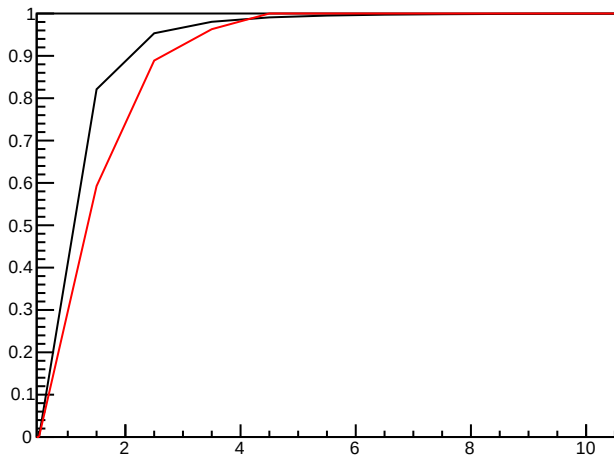
nPos, good events



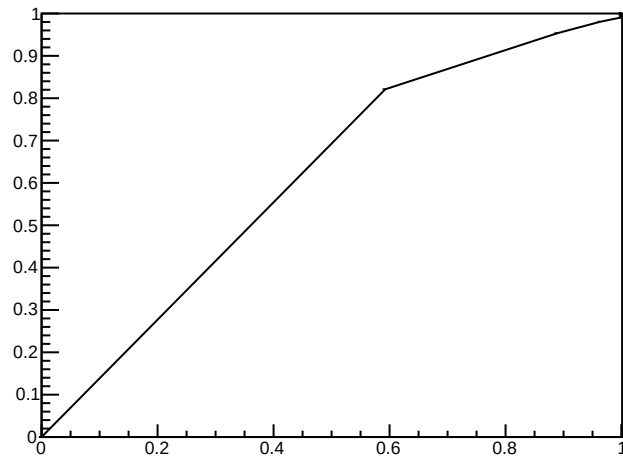
nPos, bad events

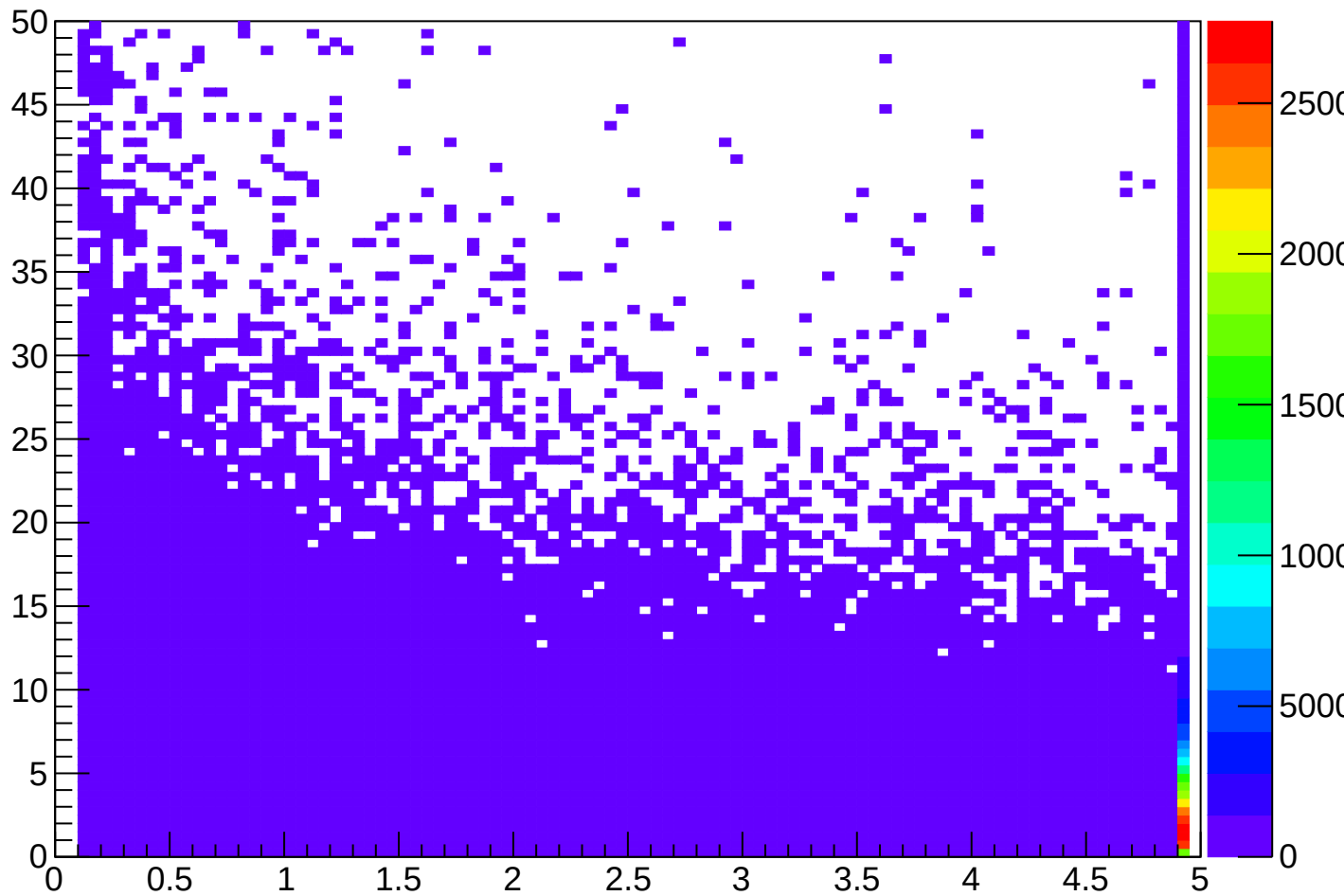


Efficiency vs. cut value

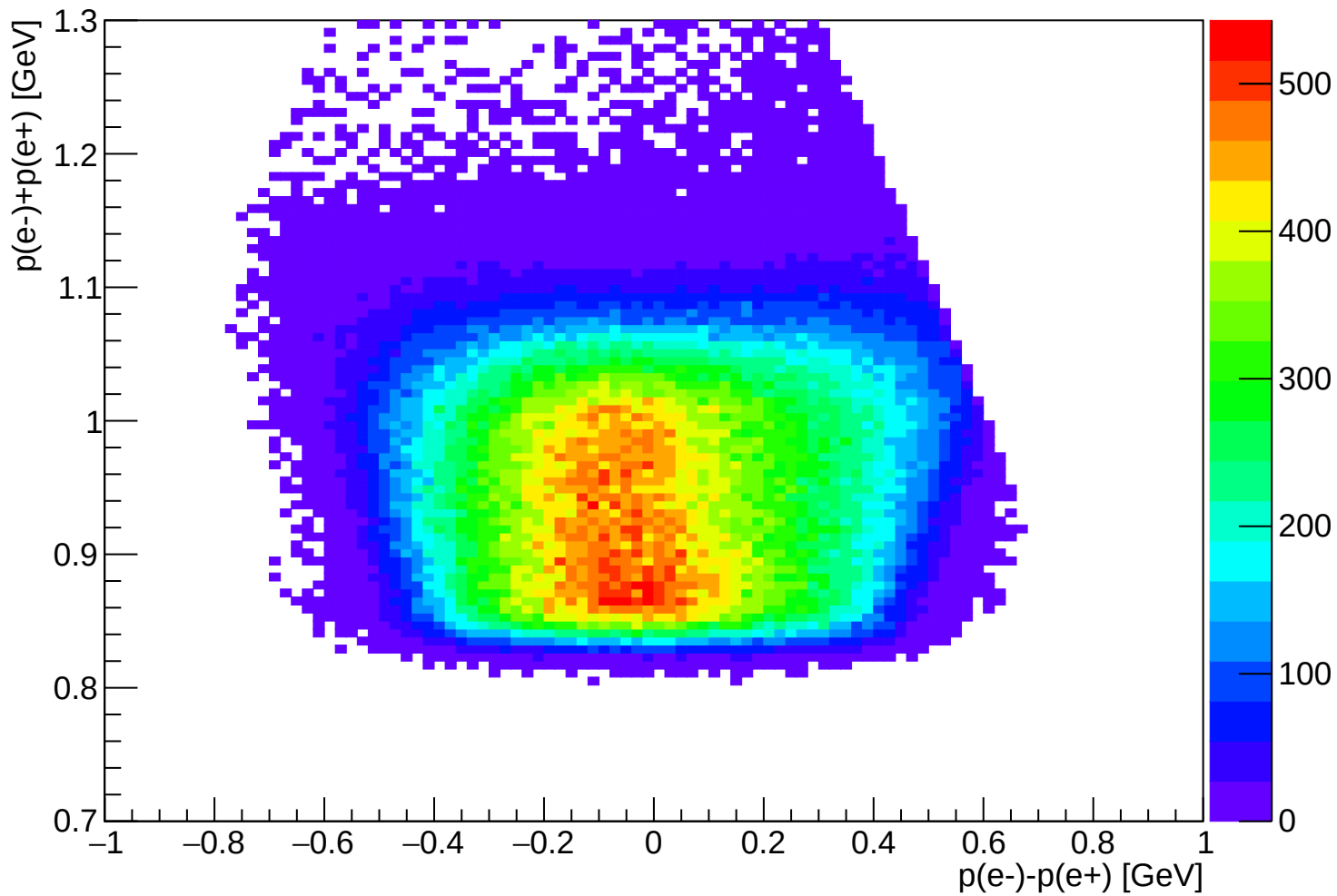


ROC curve





Good events (all but WAB cuts)



Bad events (all but WAB cuts)

