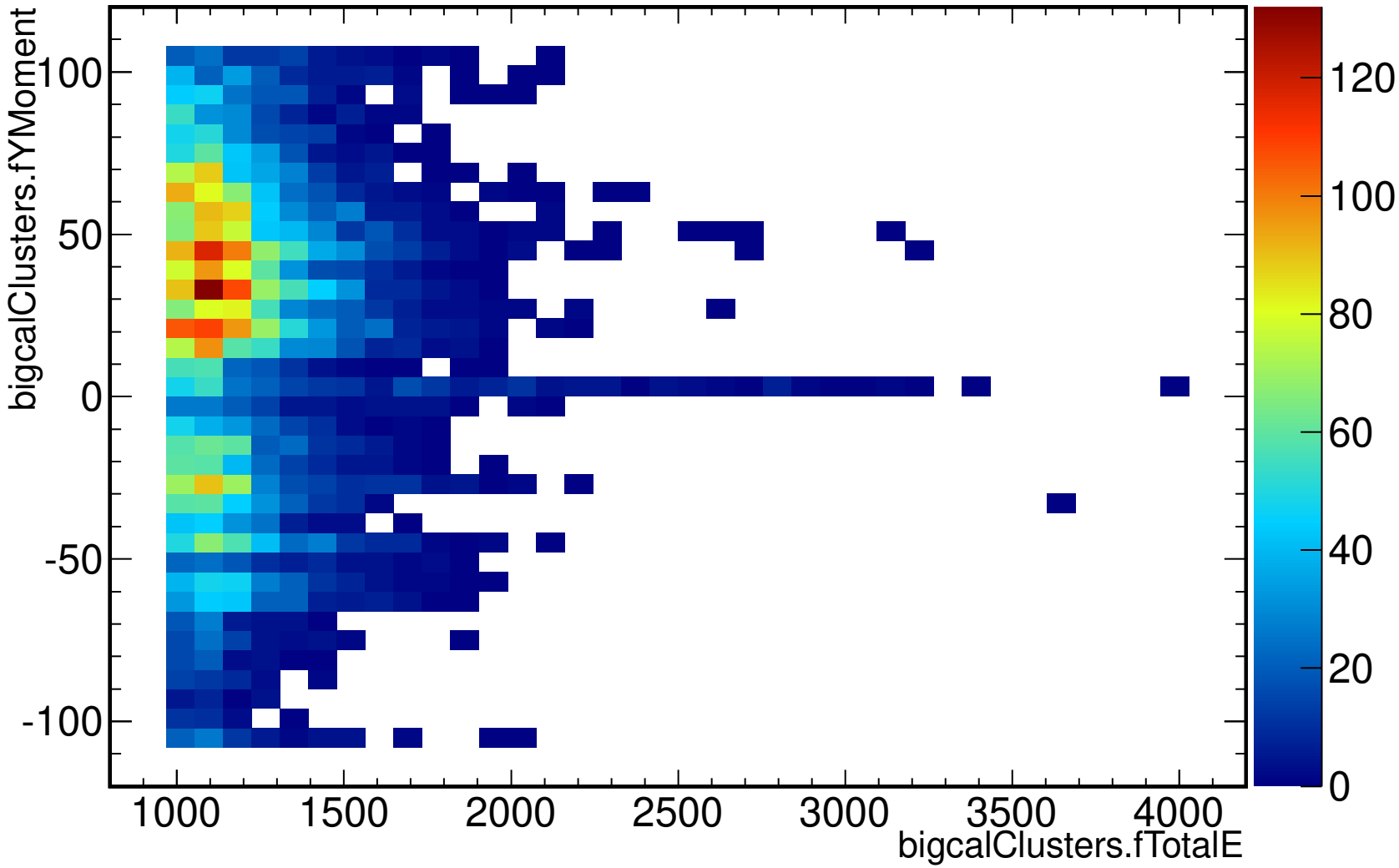bigcalClusters.fYMoment:bigcalClusters.fTotalE {fGasCherenkovTDCHits.fPassesTimingCut&&bigcalClusters.fIsGood&&bigcalClusters.fTotalE<4000&&bigcalClusters.fTotalE>1000}