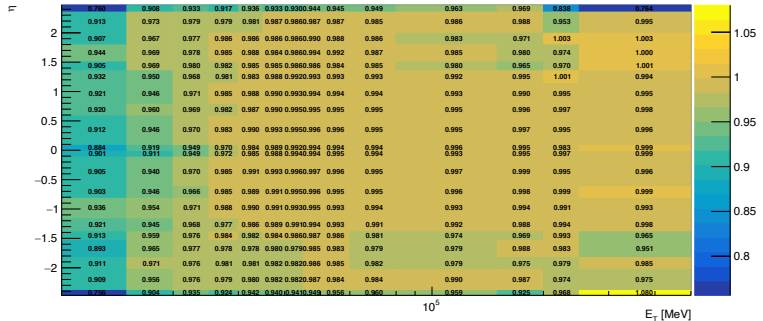
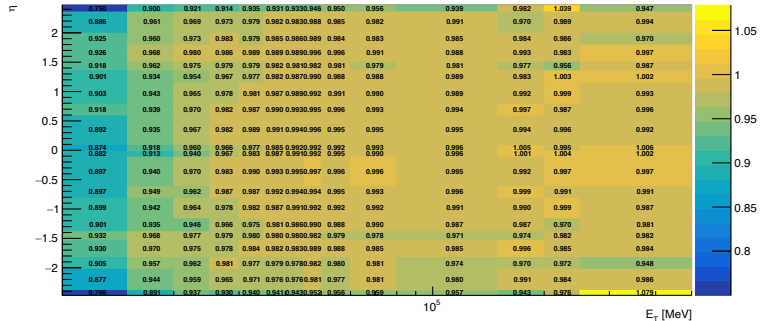


PLImprovedTight

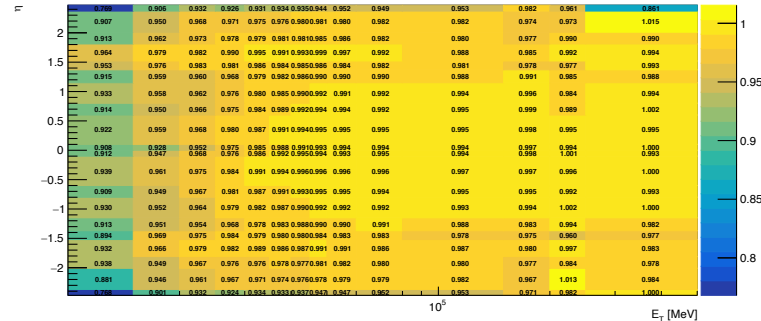
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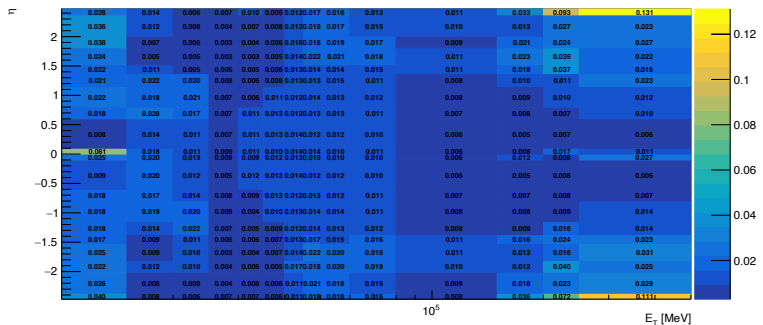
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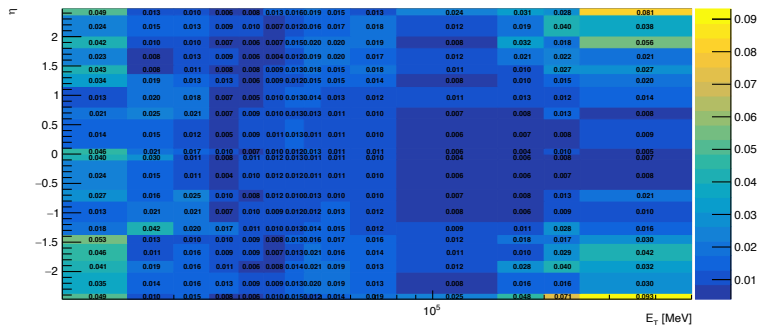
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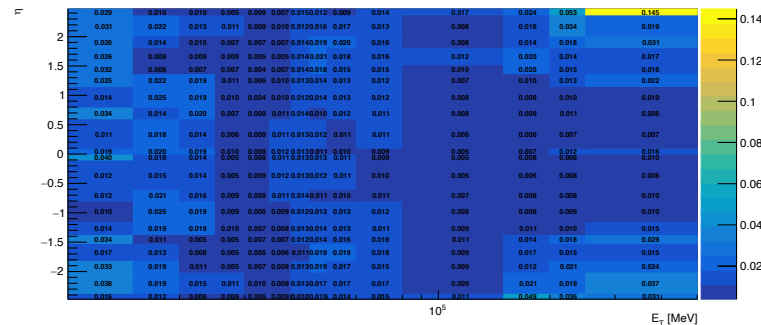
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Error_PLImprovedTight



Error_PLImprovedTight



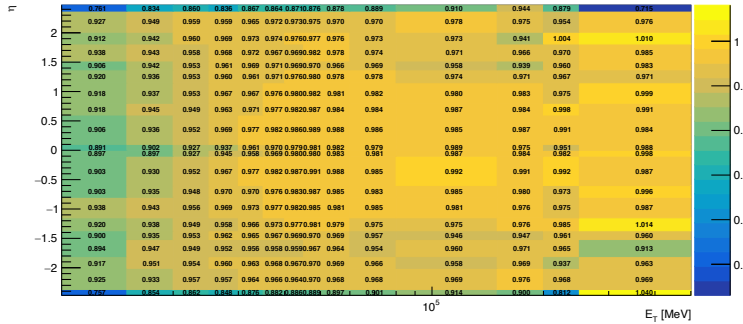
data1516-mc16a

data17-mc16d

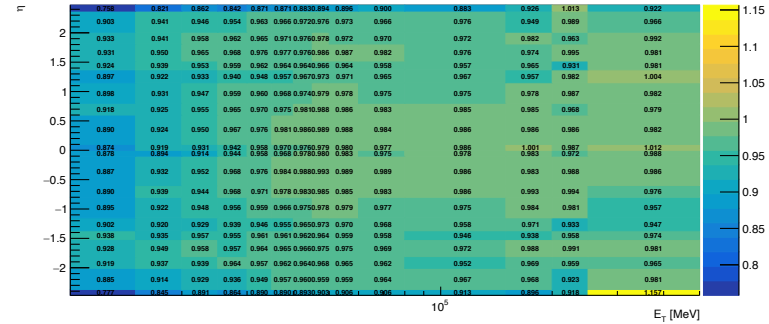
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PLImprovedVeryTight

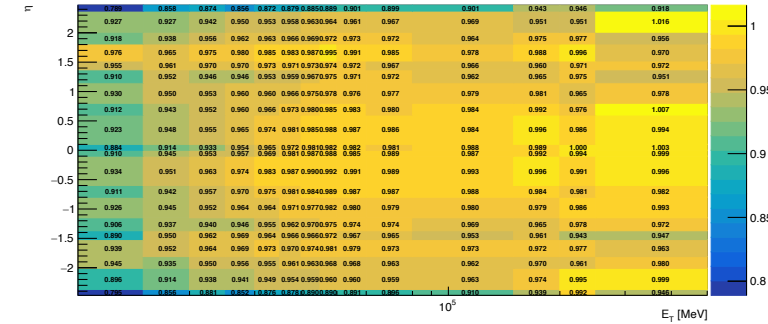
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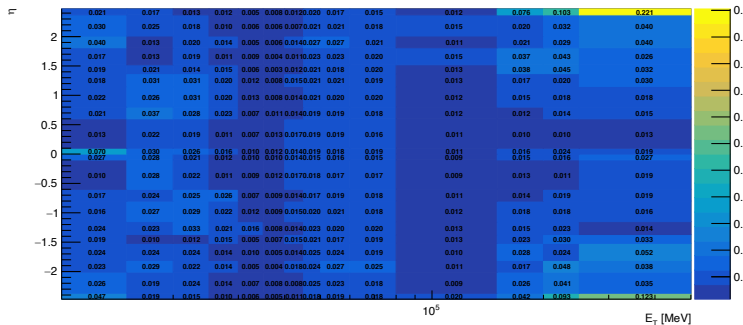
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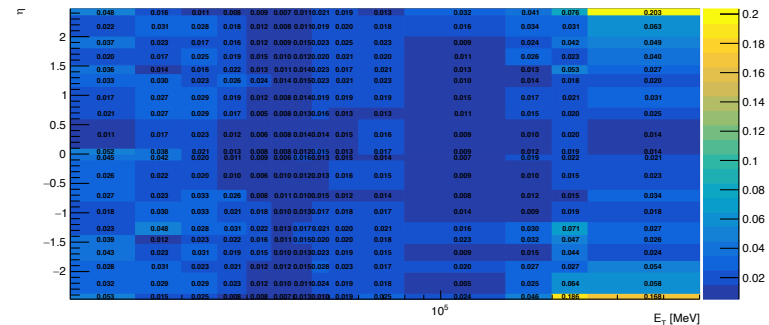
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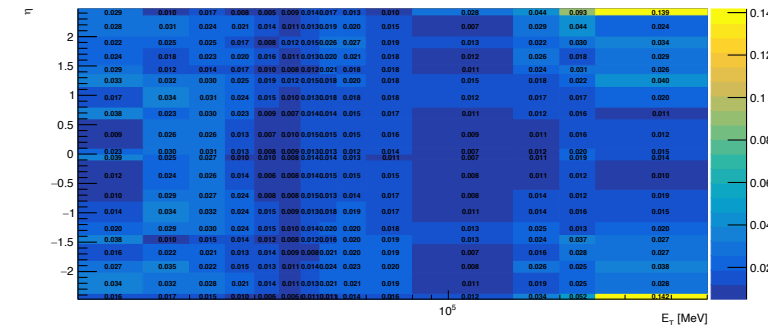
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Error_PLImprovedVeryTight



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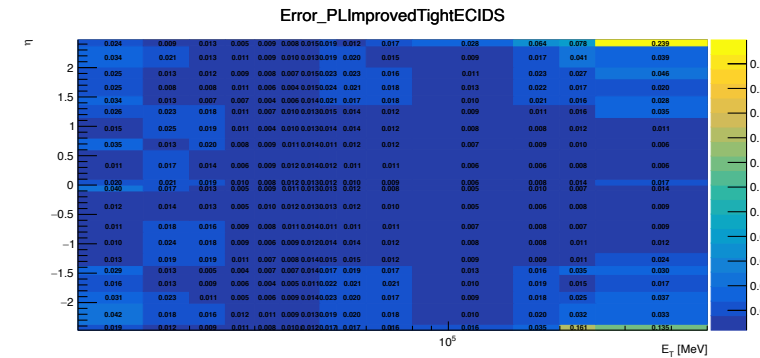
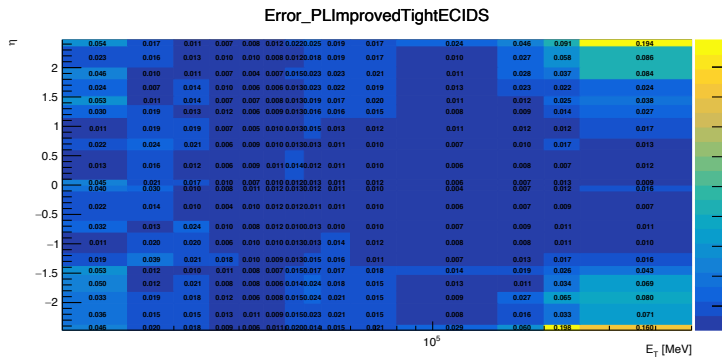
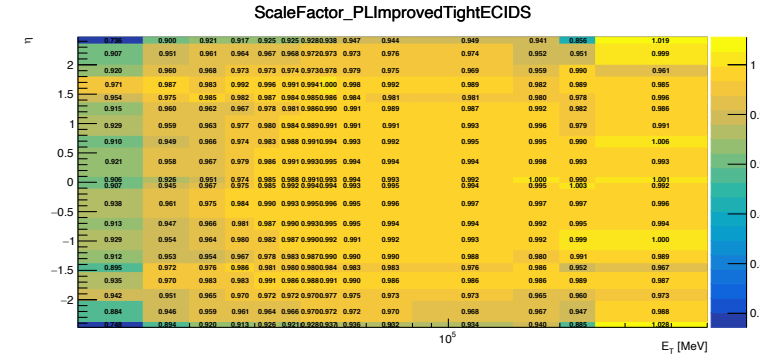
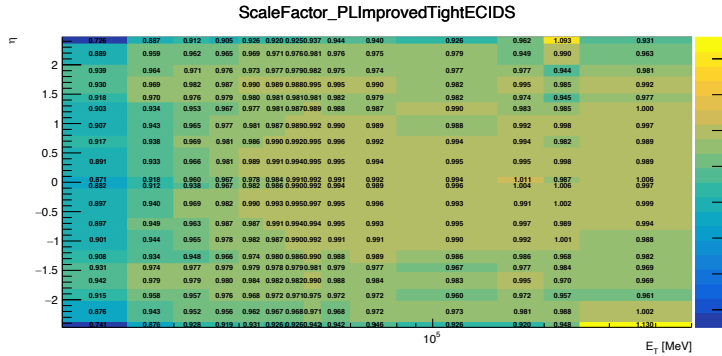
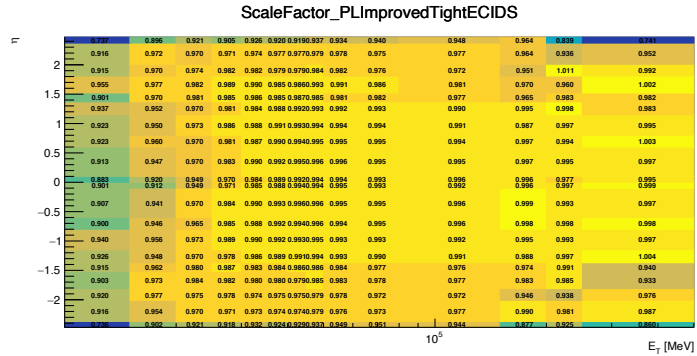


data1516-mc16a

data17-mc16d

data18-mc16e

PLImprovedTightECIDS



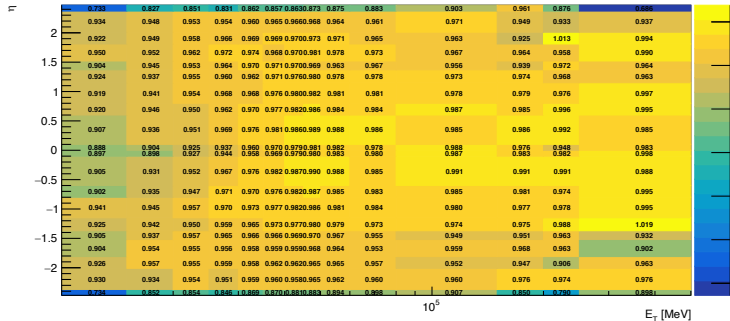
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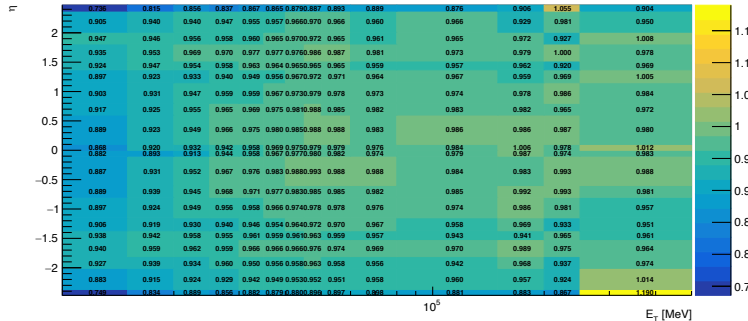
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PLImprovedVeryTightECIDS

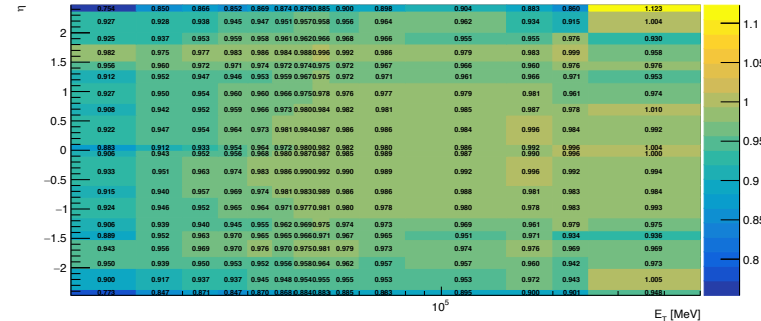
ScaleFactor_PLImprovedVeryTightECIDS



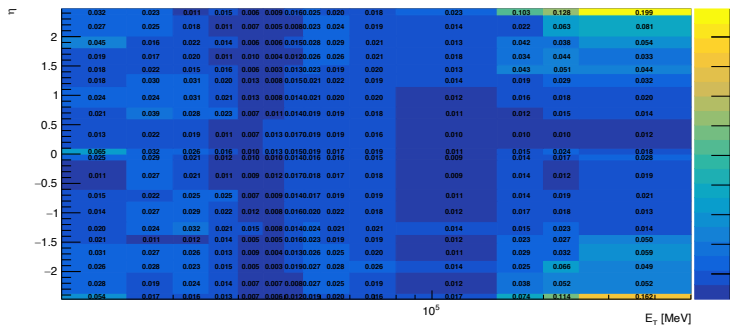
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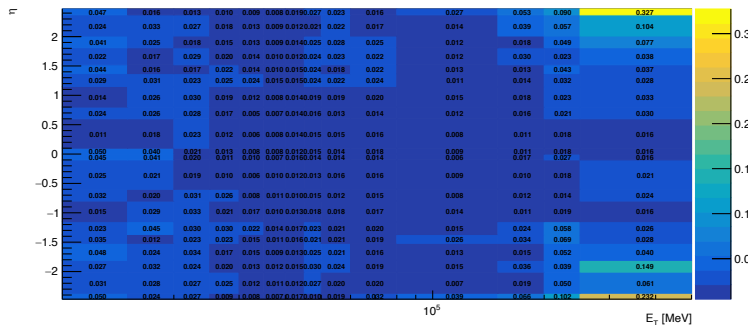
ScaleFactor_PLImprovedVeryTightECIDS



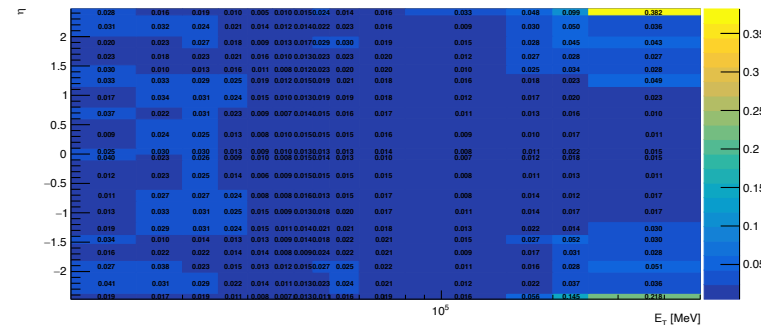
Error_PLImprovedVeryTightECIDS



Error_PLImprovedVeryTightECIDS



Error_PLImprovedVeryTightECIDS



data1516-mc16a

data17-mc16d

data18-mc16e

Summary

- Scale factor
 - Updated template fit method with Tag&Probe
- Uncertainty
 - Statistical
 - Tag ID variation : Medium/tight
 - Template Cut variation : FailVery(Ultra)LooseLLHAndIso01_Cone30(Iso07_Cone40)
 - mll Window variation : [80,100]/[75,105]/[70,110] (GeV)
 - mc Scaling variation : 0.0/0.07/-0.07
 - Generator variation : Powheg/Sherpa
 - mu variation : >/< average mu