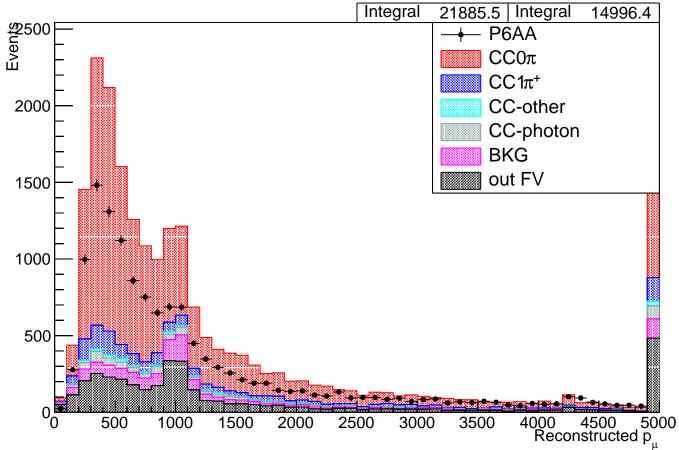
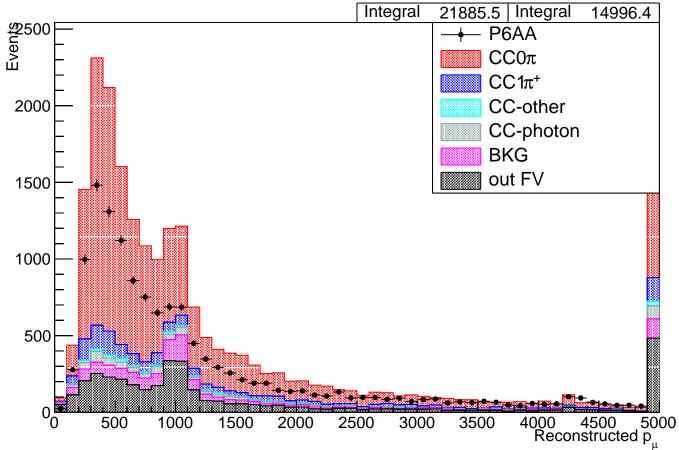
TEST Integral 68853.1 Integral 75280.5 Event\$1 0000 P6AA CC0π CC1π⁺ 10000 **CC-other CC-photon** 8000 **BKG** out FV 6000 4000 2000 4000 4500 500 Reconstructed p_μ 3000 500 1000 1500 2000 2500 3500 5000

TEST Integral 33228.8 Integral 26650.2 Exents 000 P6AA CC0π CC1π⁺ 3500 CC-other **CC-photon** 3000 **BKG** out FV 2500 2000 1500 1000 500 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 3000 3500 500 1000 1500 2000 2500

TEST Integral 2301.75 Integral 1795.16 Events P6AA CC0π CC1π⁺ 1000 **CC-other CC-photon** 800 **BKG** out FV 600 400 200 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 500 1500 2000 2500 3000 3500 1000

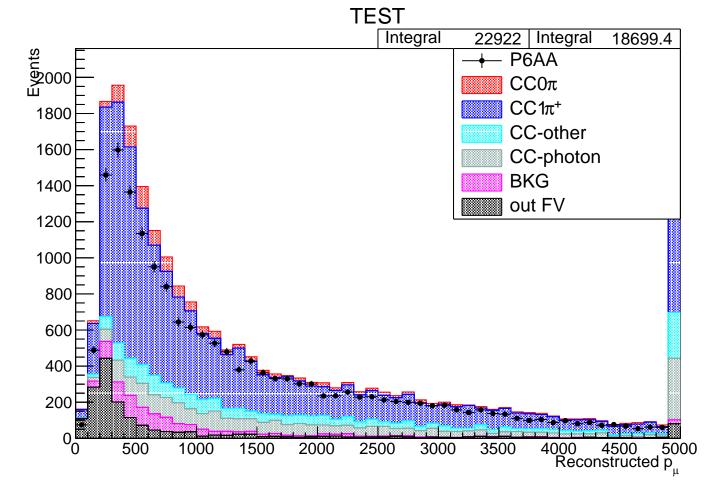
TEST Integral 1800.39 Integral 1002.37 Events 200 P6AA CC0π CC1π⁺ **CC-other** 600 **CC-photon BKG** 500 out FV 400 300 200 100 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 500 1500 2000 2500 3000 3500 1000



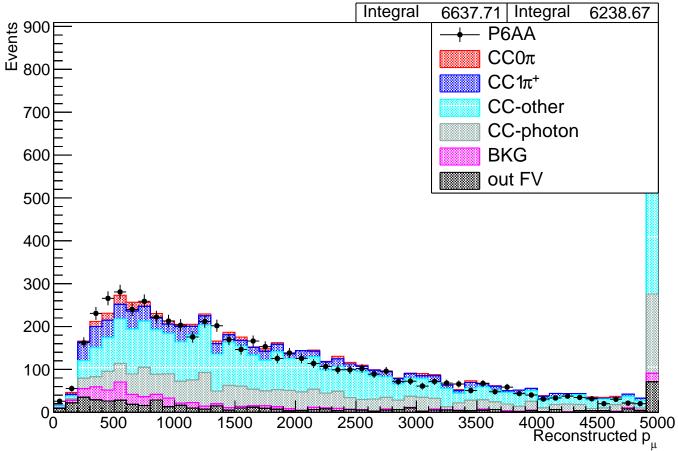


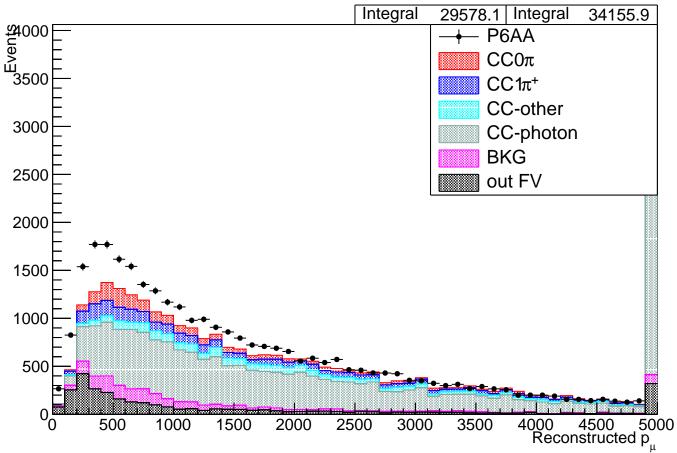
TEST Integral 1338 Integral 1321.82 Events P6AA 400 $CC0\pi$ CC1π⁺ 350 CC-other **CC-photon** 300 **BKG** out FV 250 200 150 100 50 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 3500 500 1000 1500 2000 2500 3000

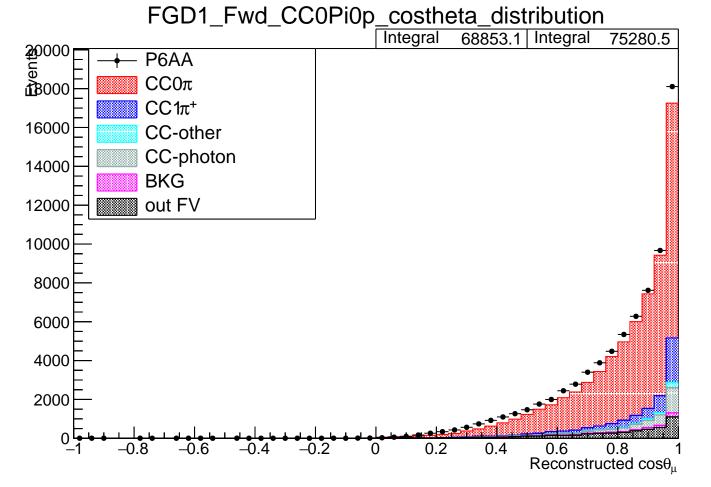
TEST Integral 1916.38 Integral 1089.67 Events P6AA $CC0\pi$ 500 CC1π⁺ **CC-other CC-photon** 400 **BKG** out FV 300 200 100 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 2000 500 1000 1500 2500 3000 3500

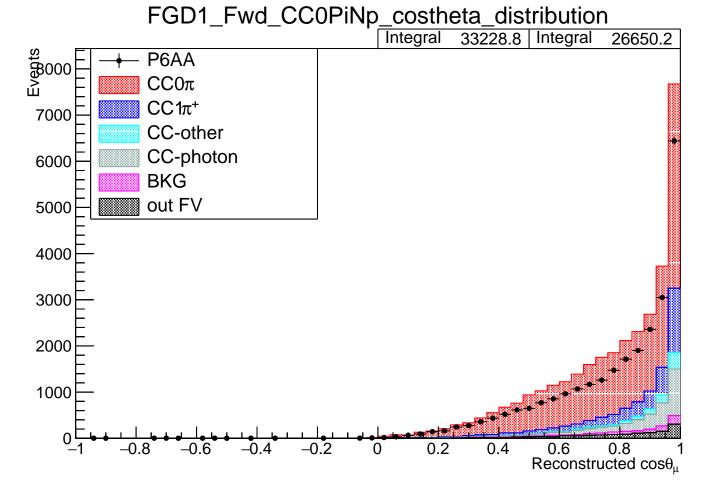


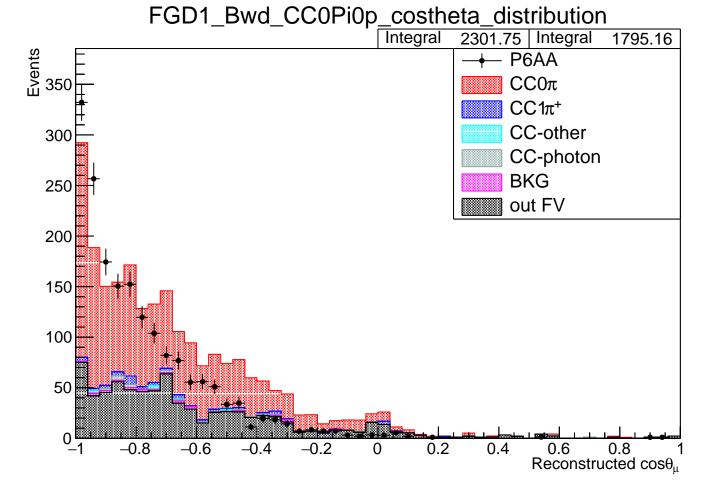
TEST Integral 1792.29 Integral 1005.35 St 240 220 240 P6AA CC0π CC1π⁺ 200 **CC-other** 180 **CC-photon BKG** 160 out FV 140 120 100 80 60 40 20 $\begin{array}{ccc} 4000 & 4500 & 5000 \\ \text{Reconstructed p}_{\mu} \end{array}$ 3500 500 1000 1500 2000 2500 3000

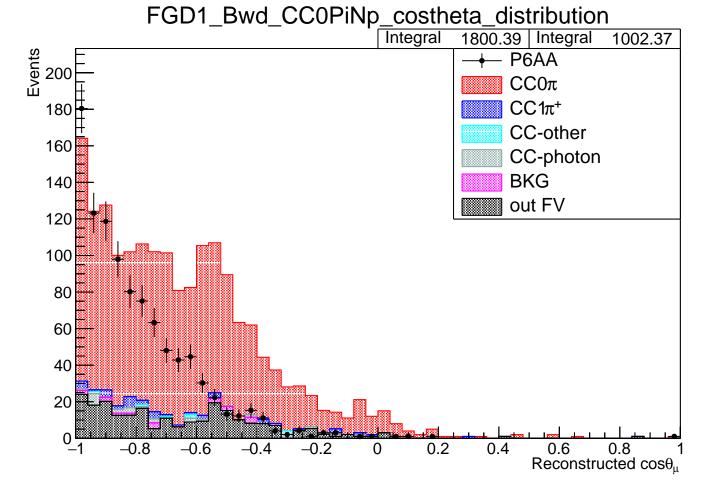


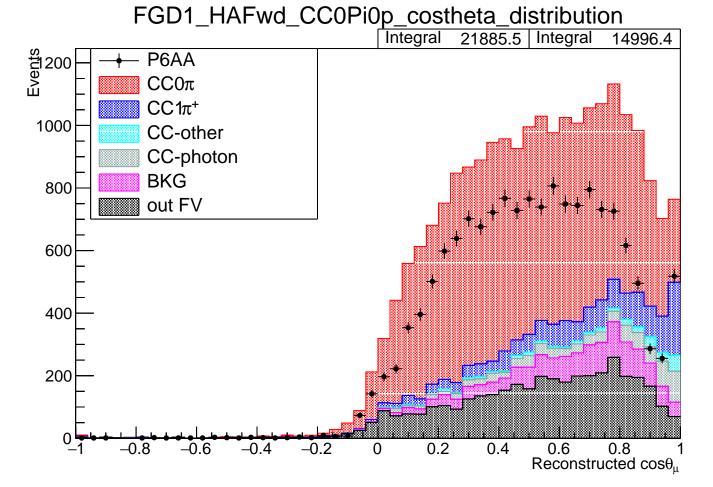


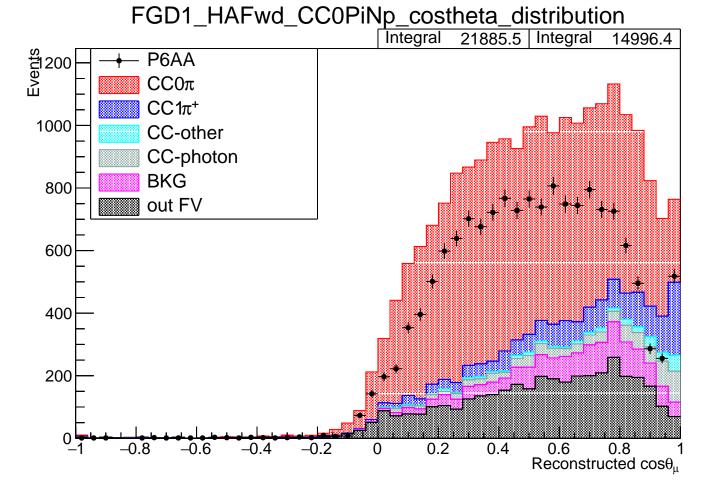


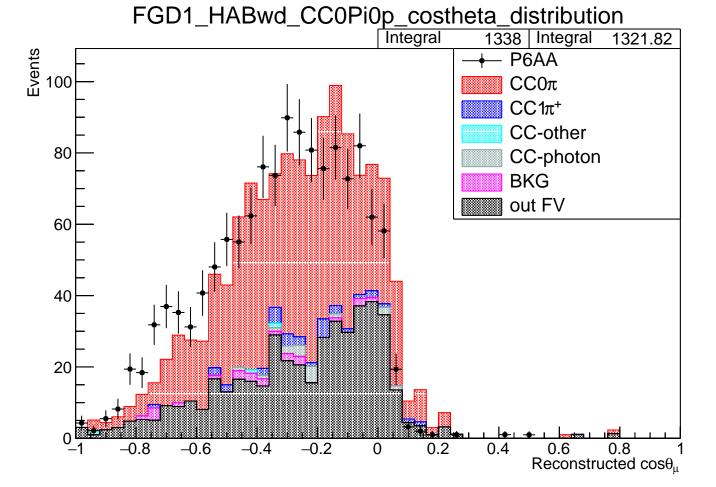


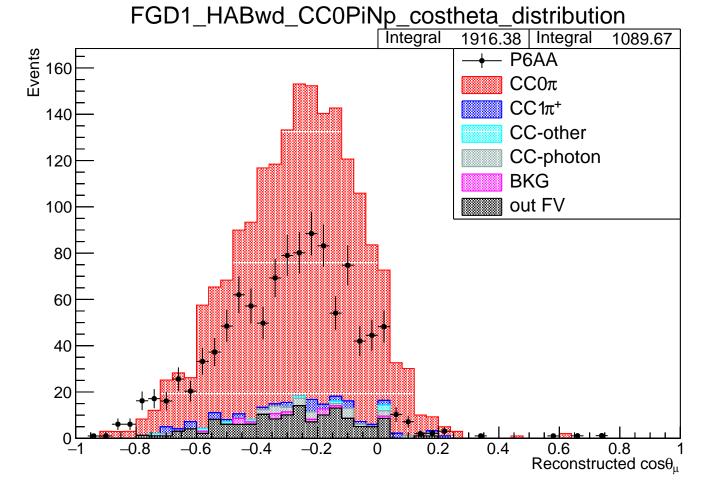


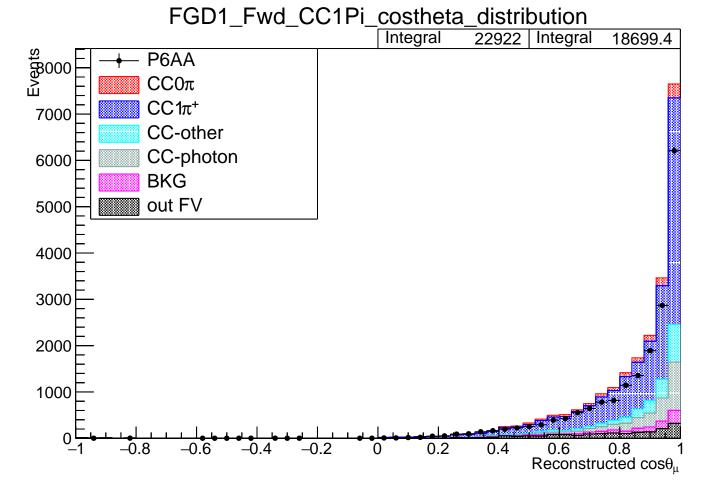


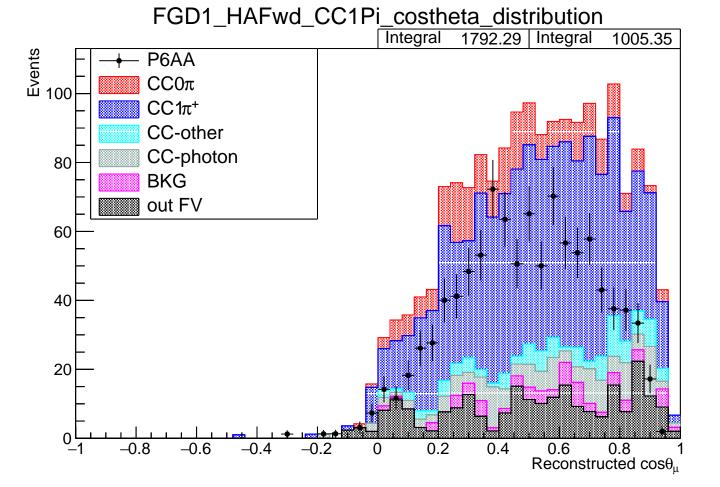








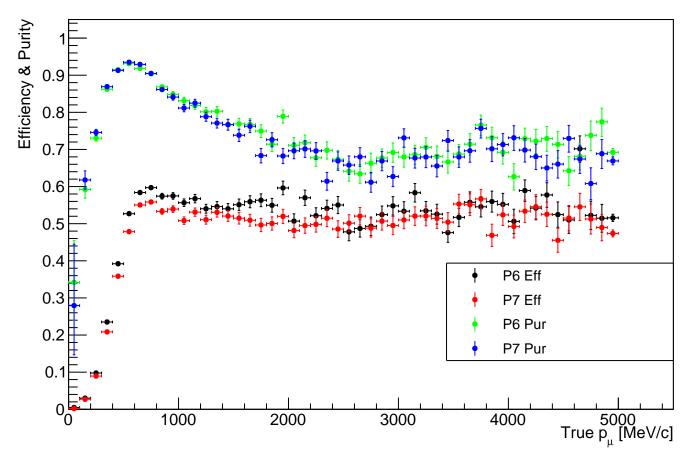




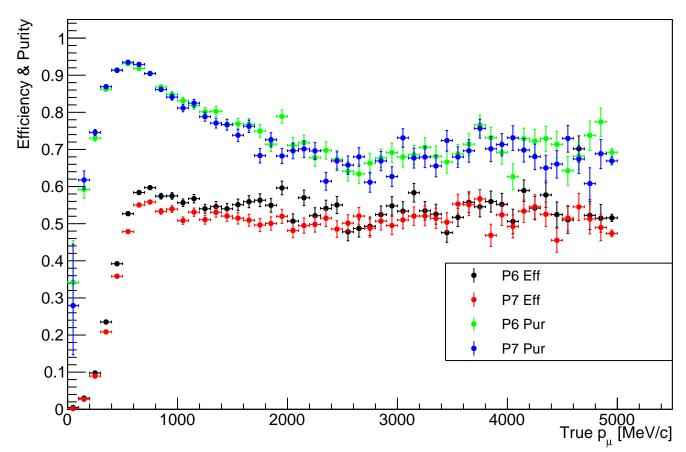
FGD1_Fwd_CCOther_costheta_distribution Integral 6637.71 Integral 6238.67 Events Events P6AA CC0π CC1π⁺ CC-other 2000 **CC-photon** BKG out FV 1500 1000 500 0 L -1 0.6 0.8 1 Reconstructed $\cos\theta_u$ -0.8 -0.6 0.4

FGD1_CCPhoton_costheta_distribution Integral 29578.1 Integral 34155.9 E∕dents 000∂ P6AA CC0π CC1π⁺ **CC-other** 10000 CC-photon BKG 8000 out FV 6000 4000 2000 0.6 0.8 1 Reconstructed $cos θ_u$ -0.6 0.2 -0.8-0.40.4

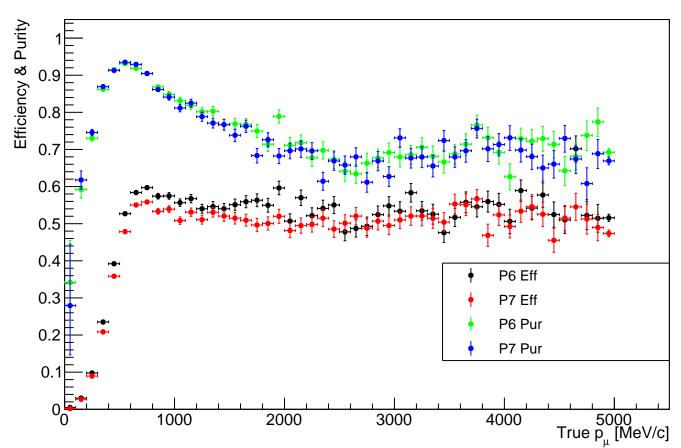
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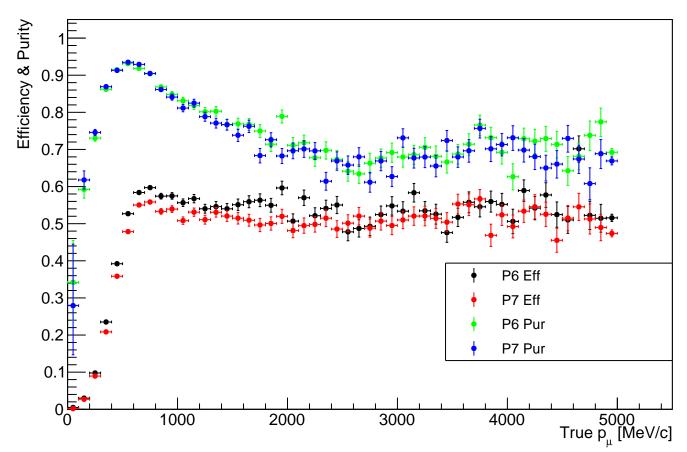
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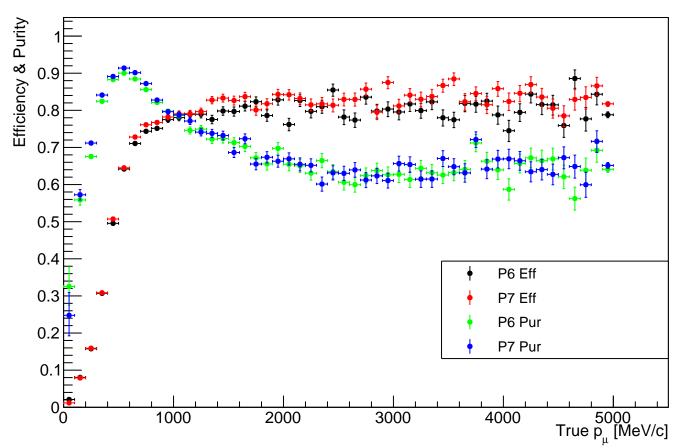
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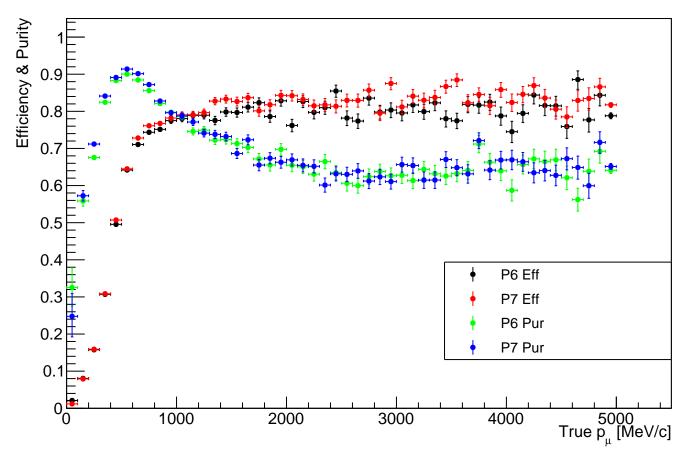
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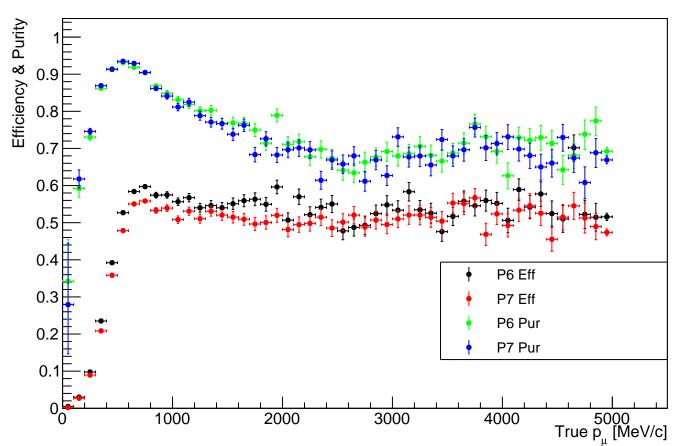
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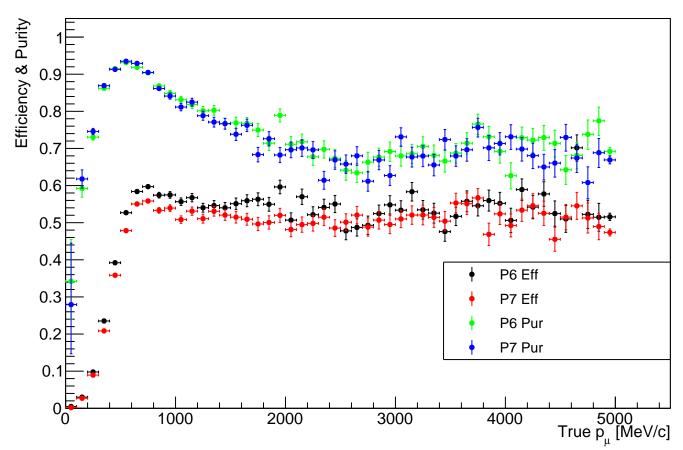
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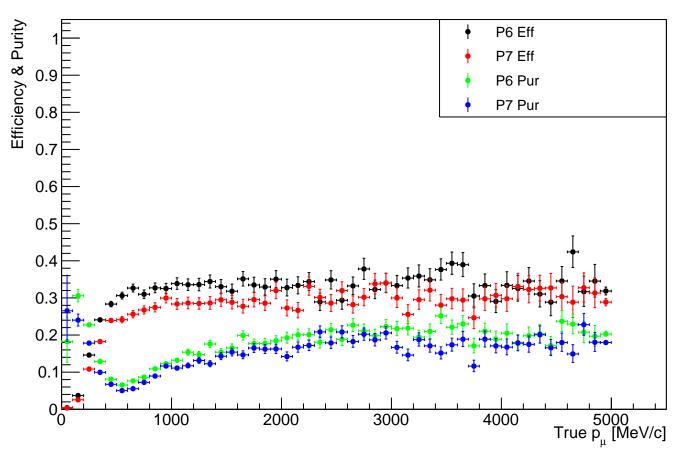
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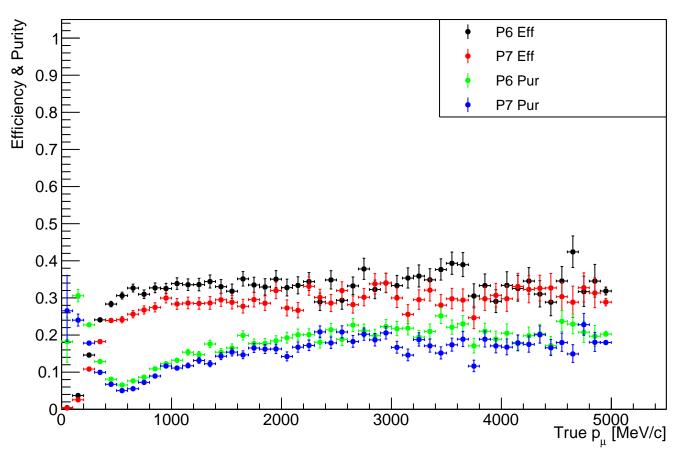
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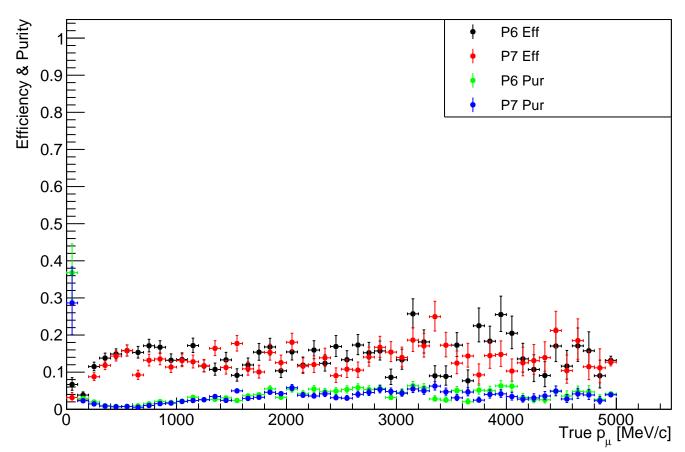
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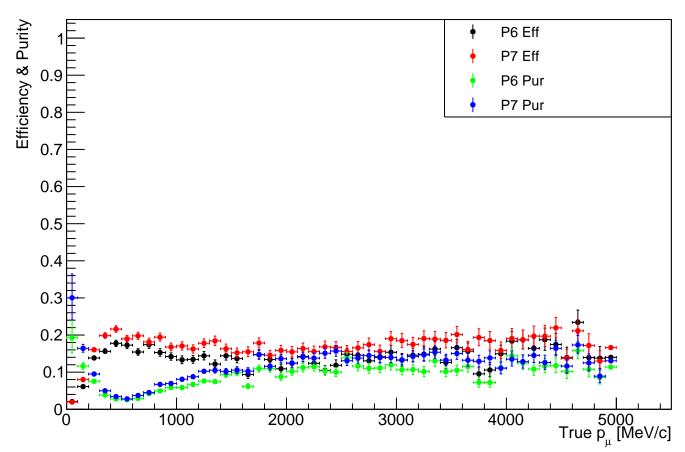
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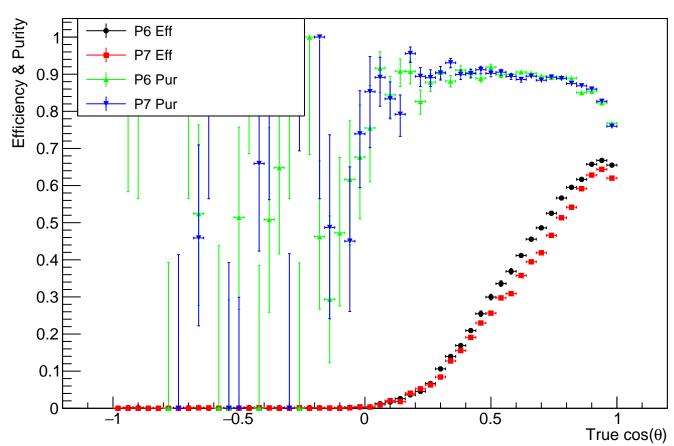
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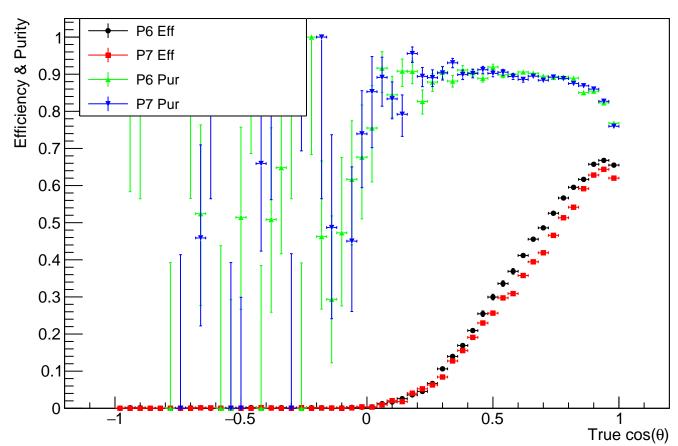
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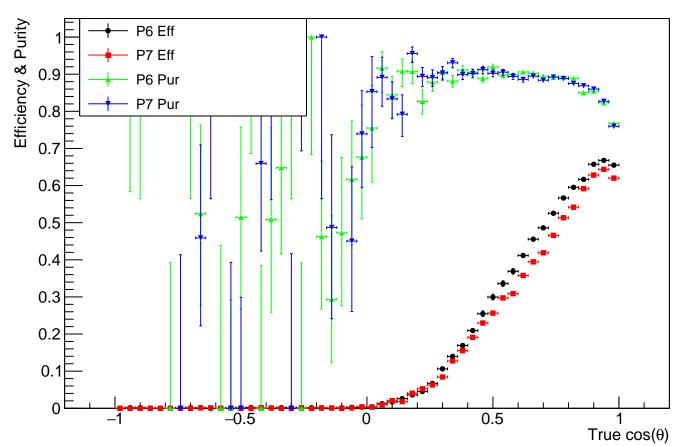
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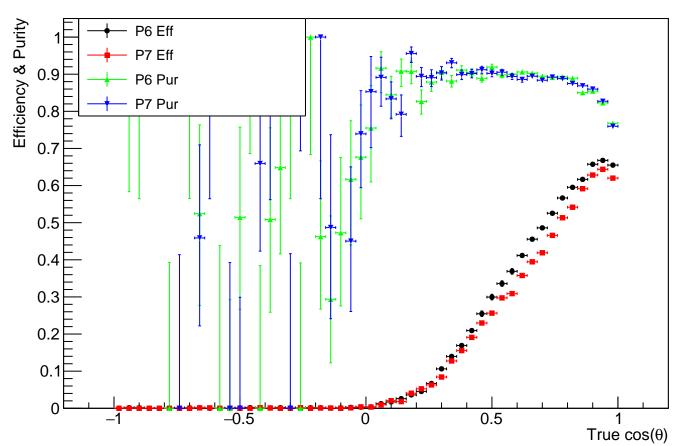
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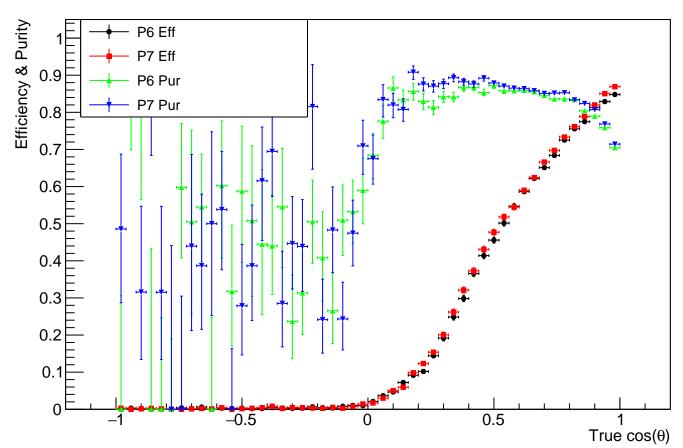
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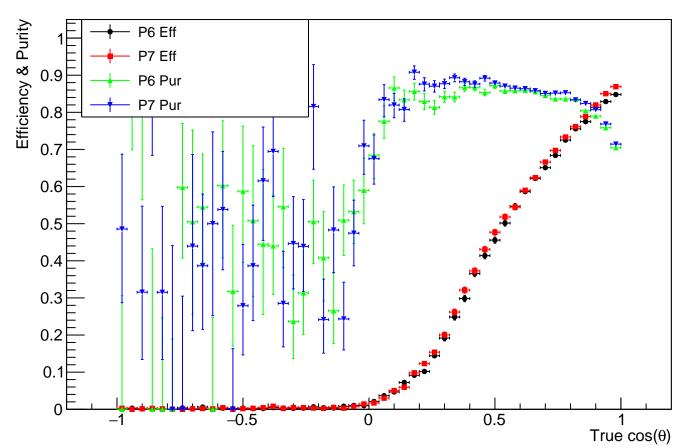
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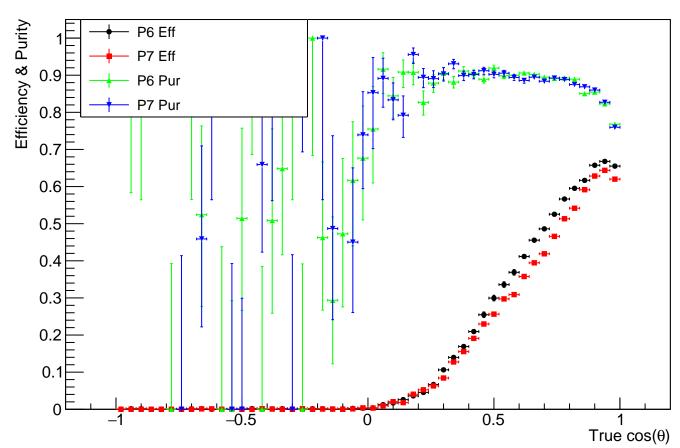
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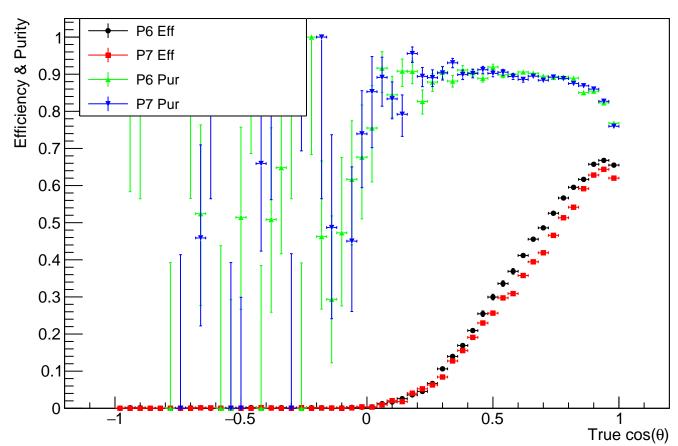
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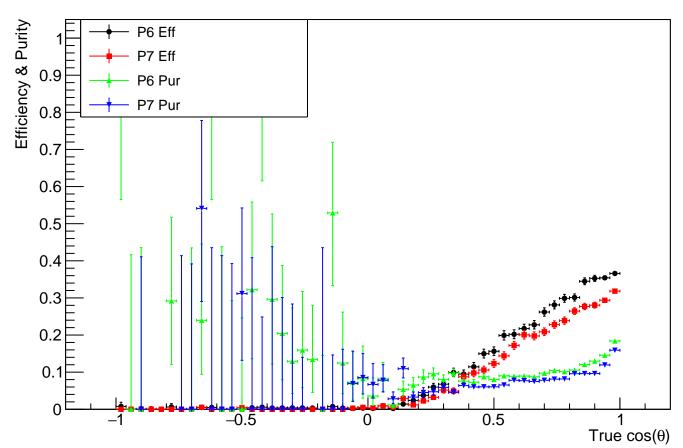
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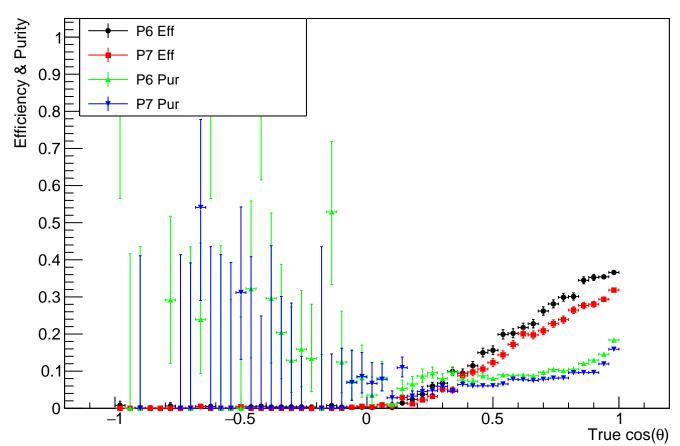
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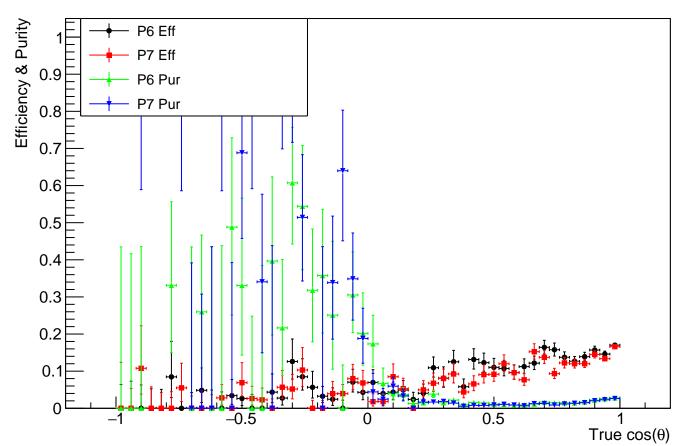
FGD1_Fwd_CC1Pi_costheta_effpurity



FGD1_HAFwd_CC1Pi_costheta_effpurity



FGD1_Fwd_CCOther_costheta_effpurity



FGD1_CCPhoton_costheta_effpurity

