Data 3 and 4 TOF

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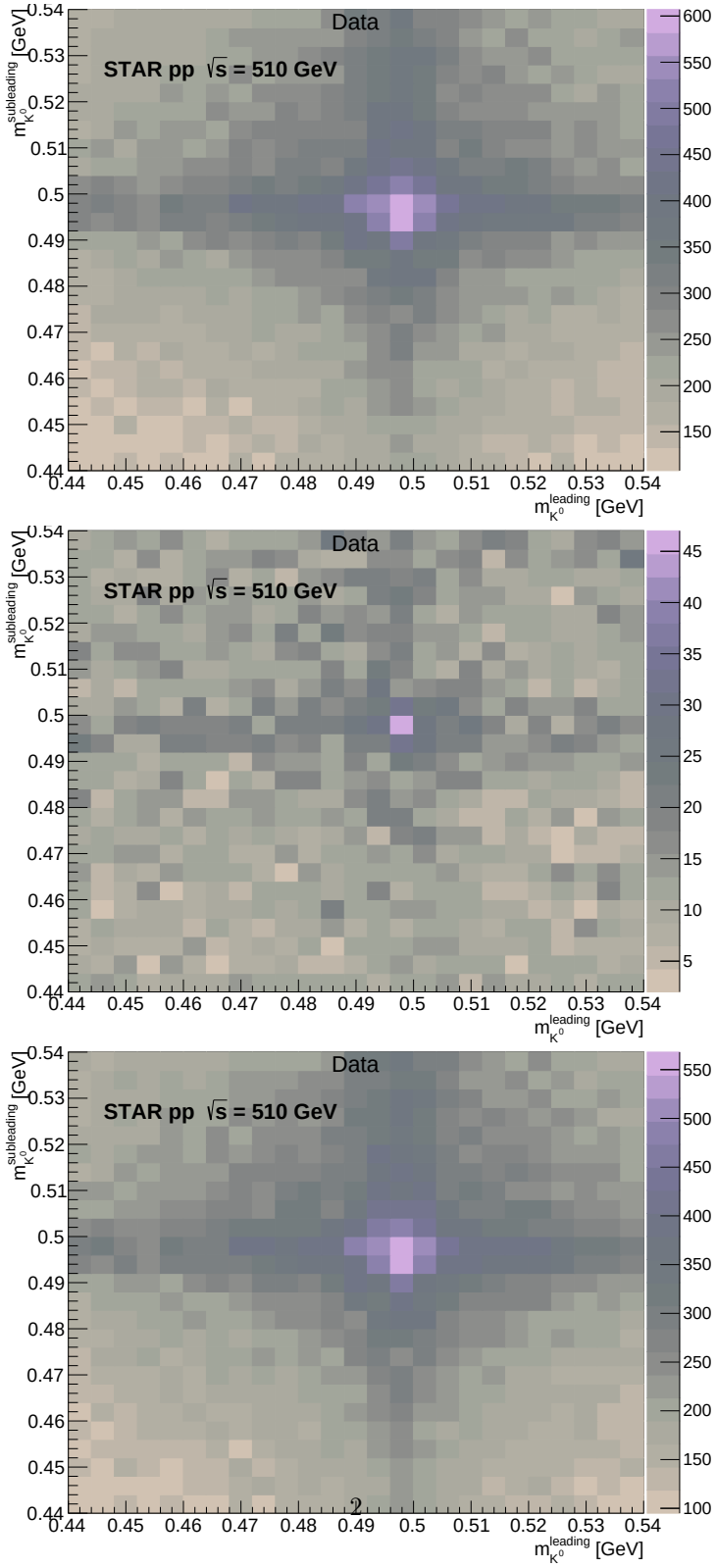

Figure 1: Leading vs sub-leading mass distribution - Data

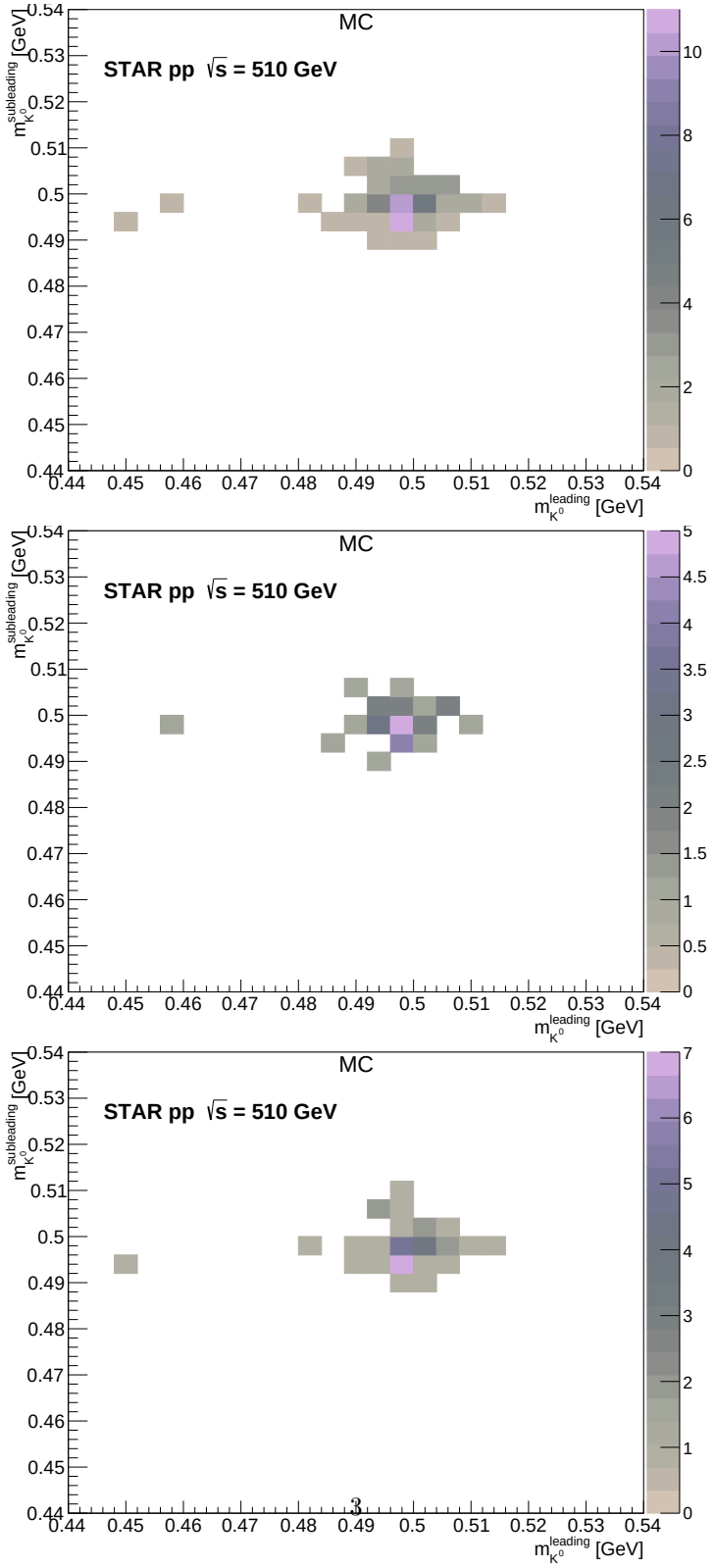

Figure 2: Leading vs sub-leading mass distribution - MC

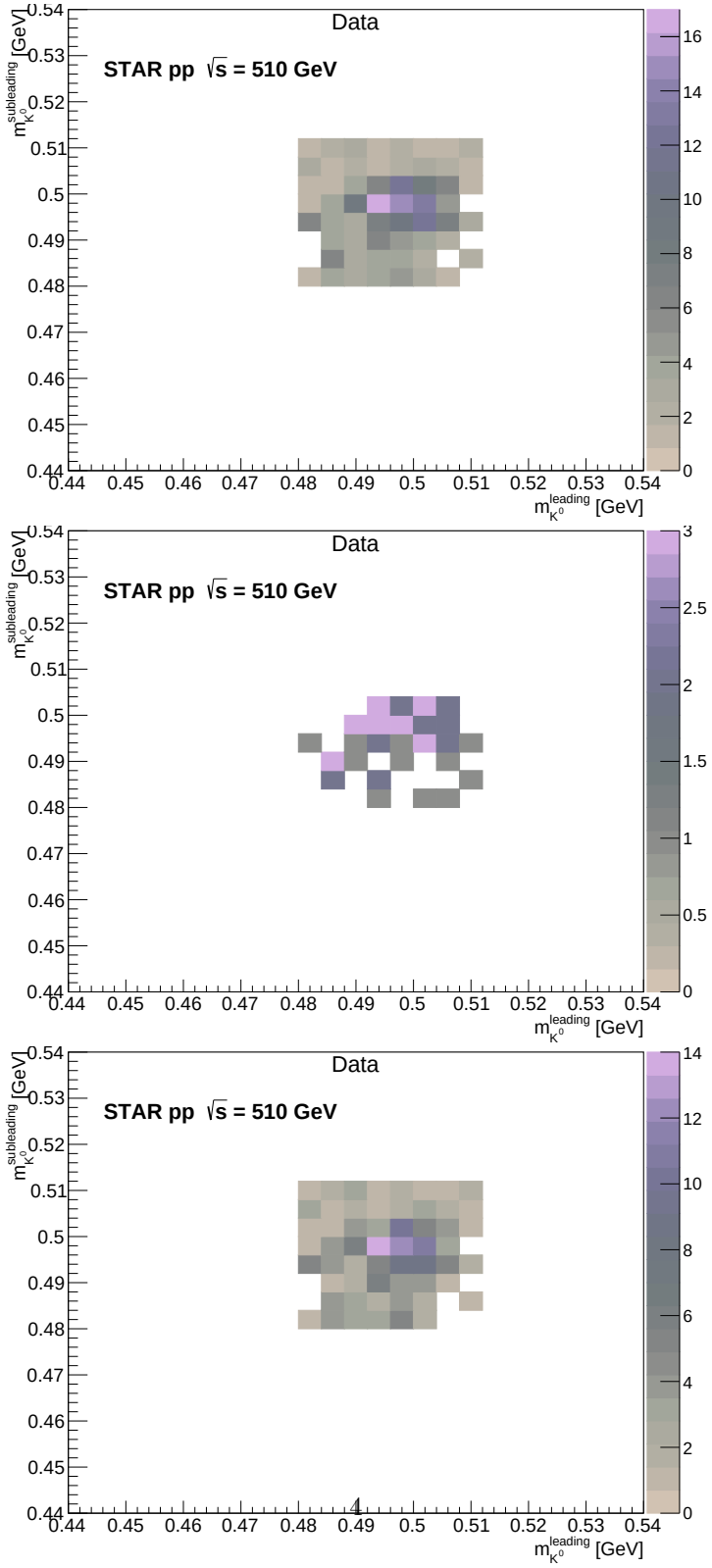

Figure 3: Leading vs sub-leading mass distribution - Data, Cuts: Narrow Mass Window, $p_{\mathrm{T}}^{miss} \leq 0.15$ GeV, $N_{TOF}^{cluster} \leq 9$, $DCA_{daughters}^{leading} \leq 1.5$ cm, $DCA_{daughters}^{subleading} \leq 1.5$ cm, $vtx_{K^0K^0}^{dist} \leq 1.5$ cm

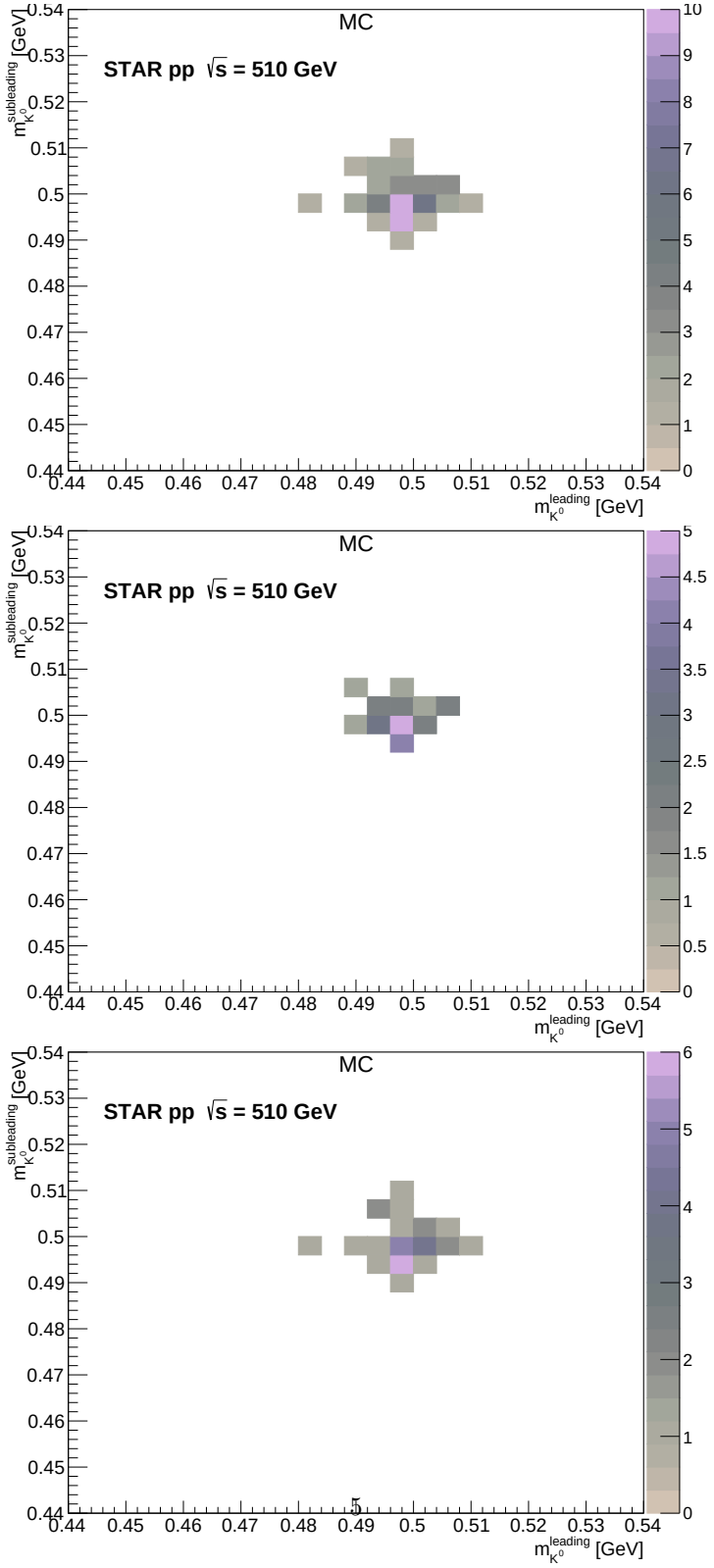

Figure 4: Leading vs sub-leading mass distribution - Data, Cuts: Narrow Mass Window, $p_{\mathrm{T}}^{miss} \leq 0.15$ GeV, $N_{TOF}^{cluster} \leq 9$, $DCA_{daughters}^{leading} \leq 1.5$ cm, $DCA_{daughters}^{subleading} \leq 1.5$ cm, $vtx_{K^0K^0}^{dist} \leq 1.5$ cm

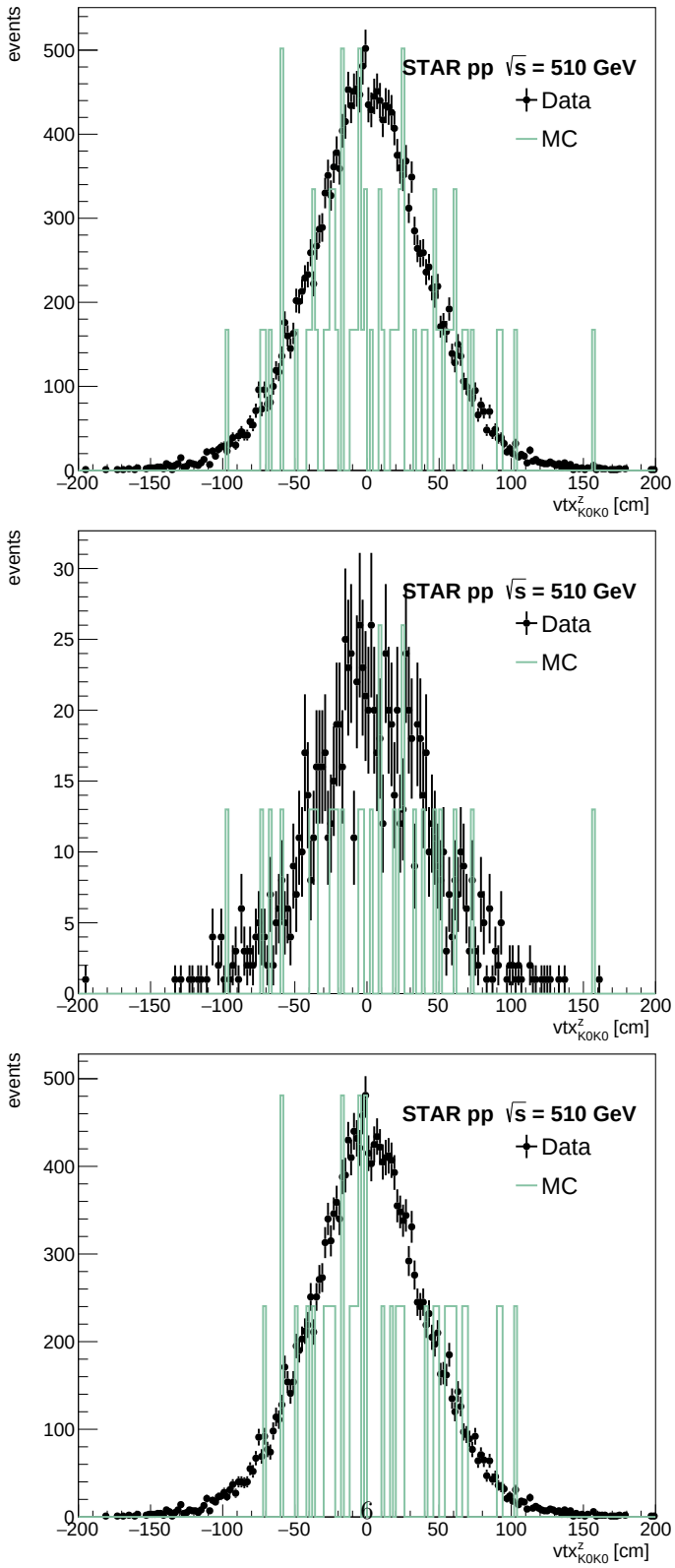

Figure 5: distance between K0K0 vertices, Cuts: Narrow Mass Window, MC was scaled to the maximum of the data

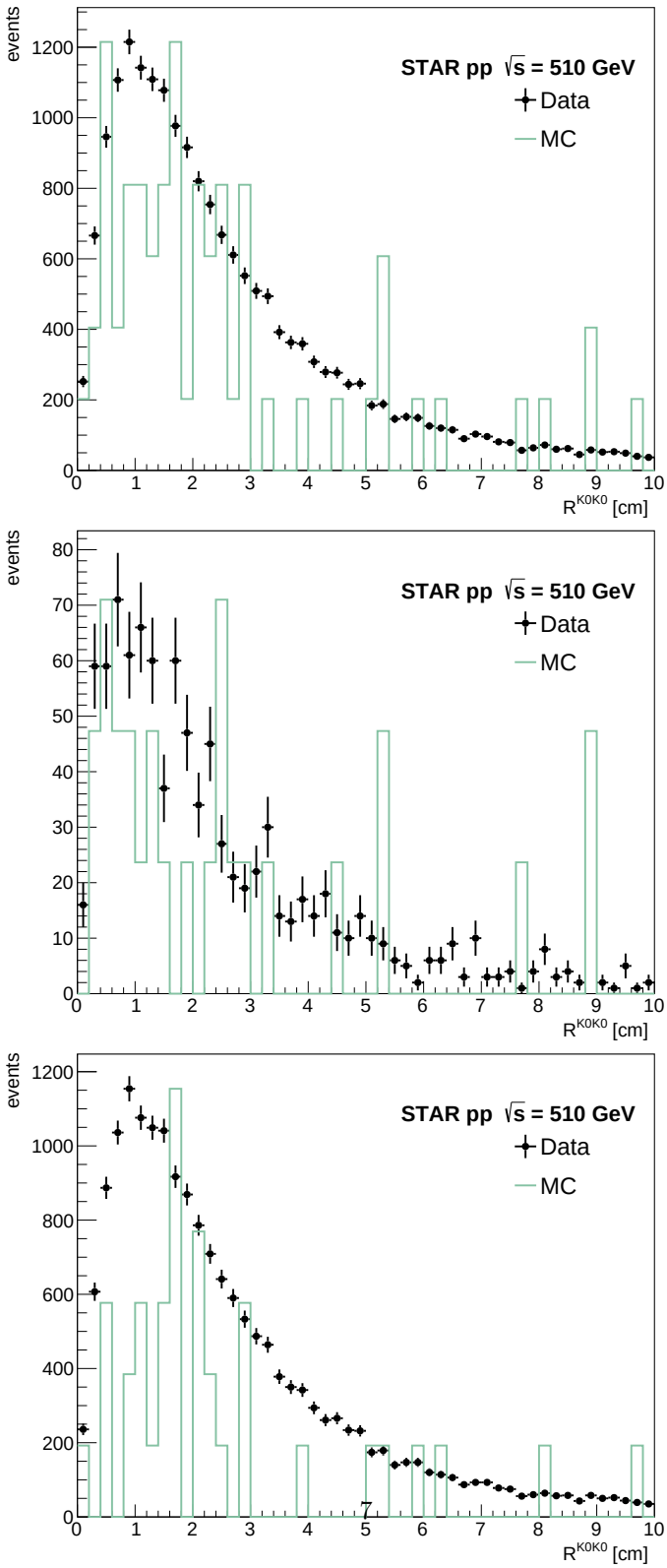

Figure 6: distance between K0K0 vertices, Cuts: Narrow Mass Window, MC was scaled to the maximum of the data

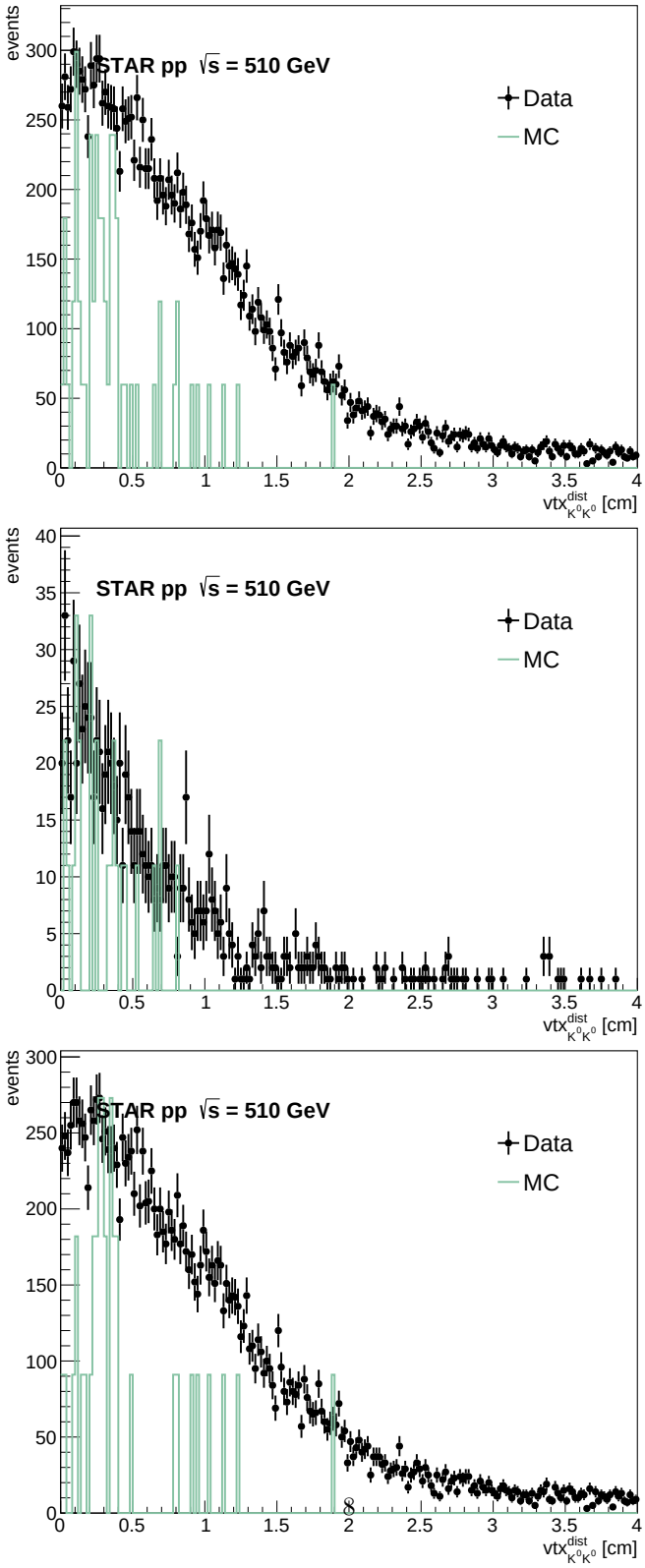

Figure 7: distance between K0K0 vertices, Cuts: Narrow Mass Window, MC was scaled to the maximum of the data

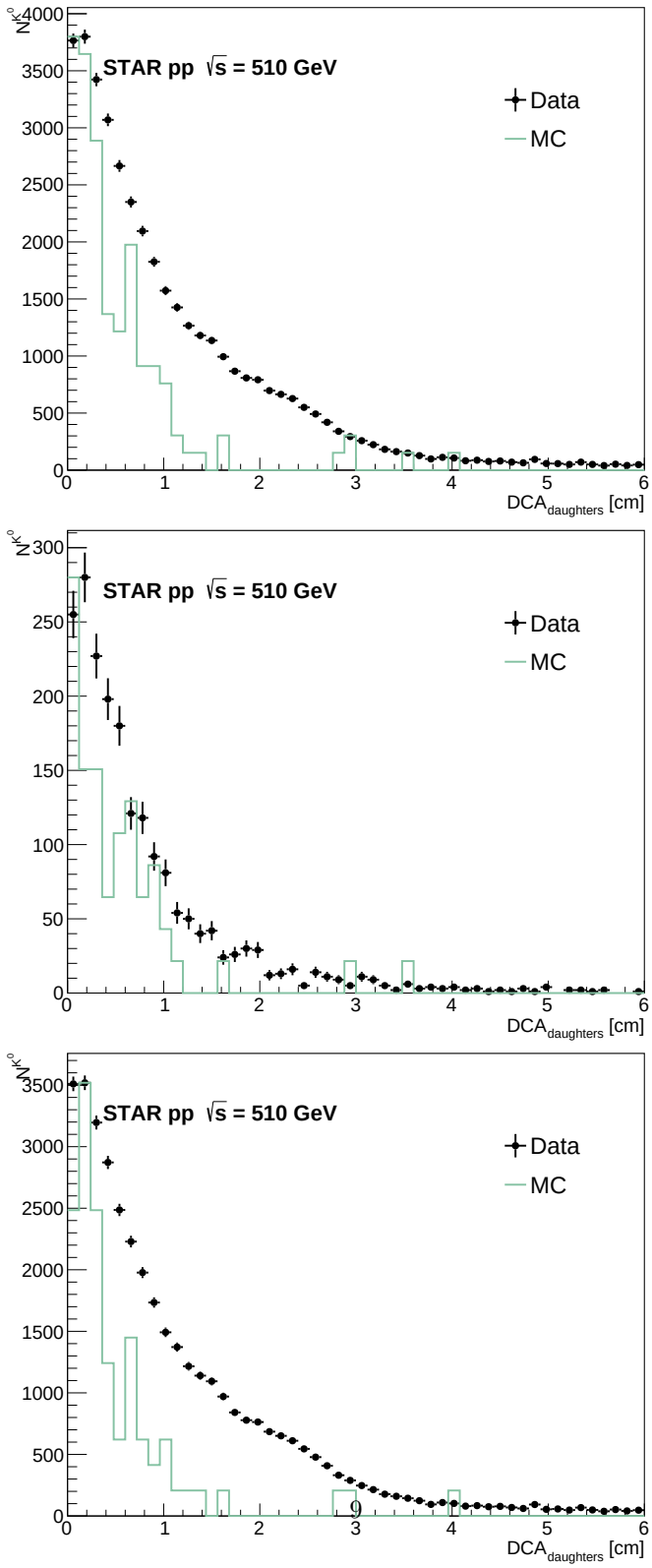

Figure 8: DCA daughters, Cuts: Narrow Mass Window. MC was scaled to the maximum of the data

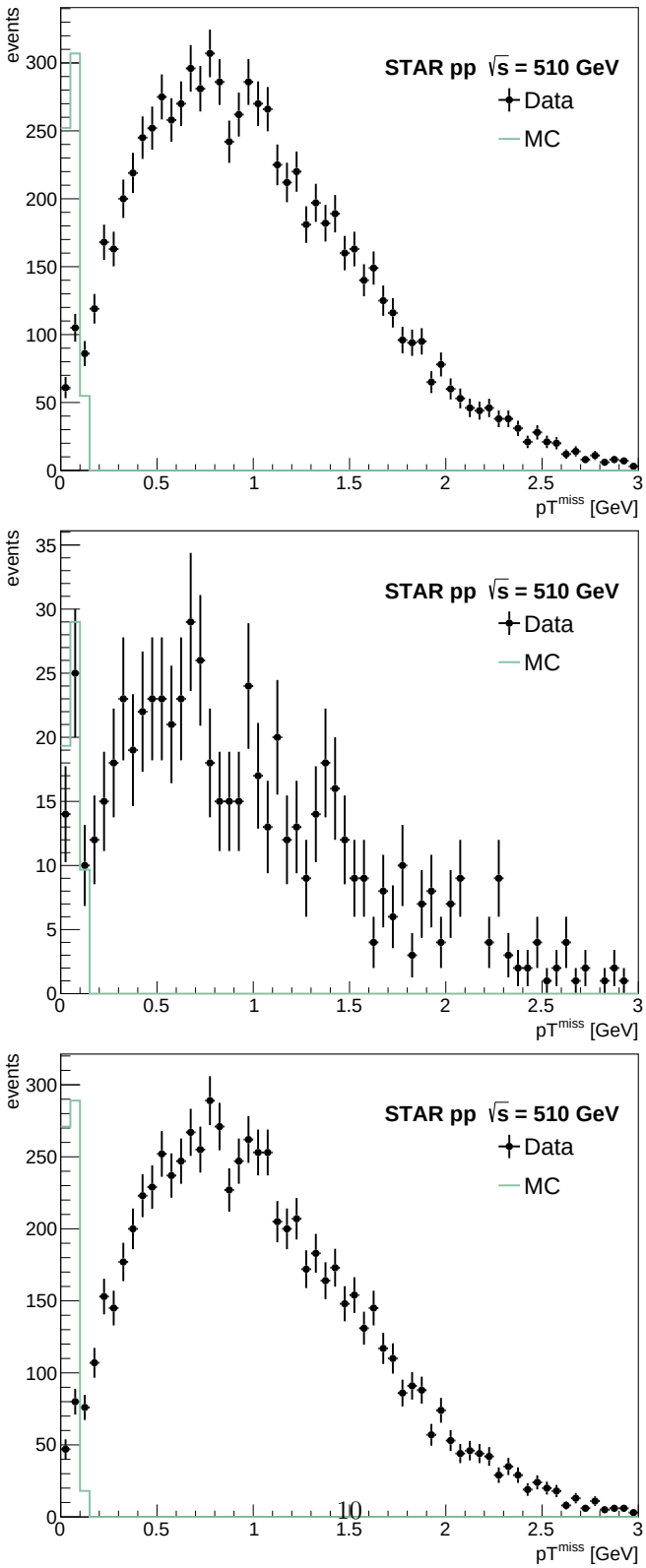

Figure 9: $p_{\mathrm{T}^{miss}}$, Cuts: Narrow Mass Window, $DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

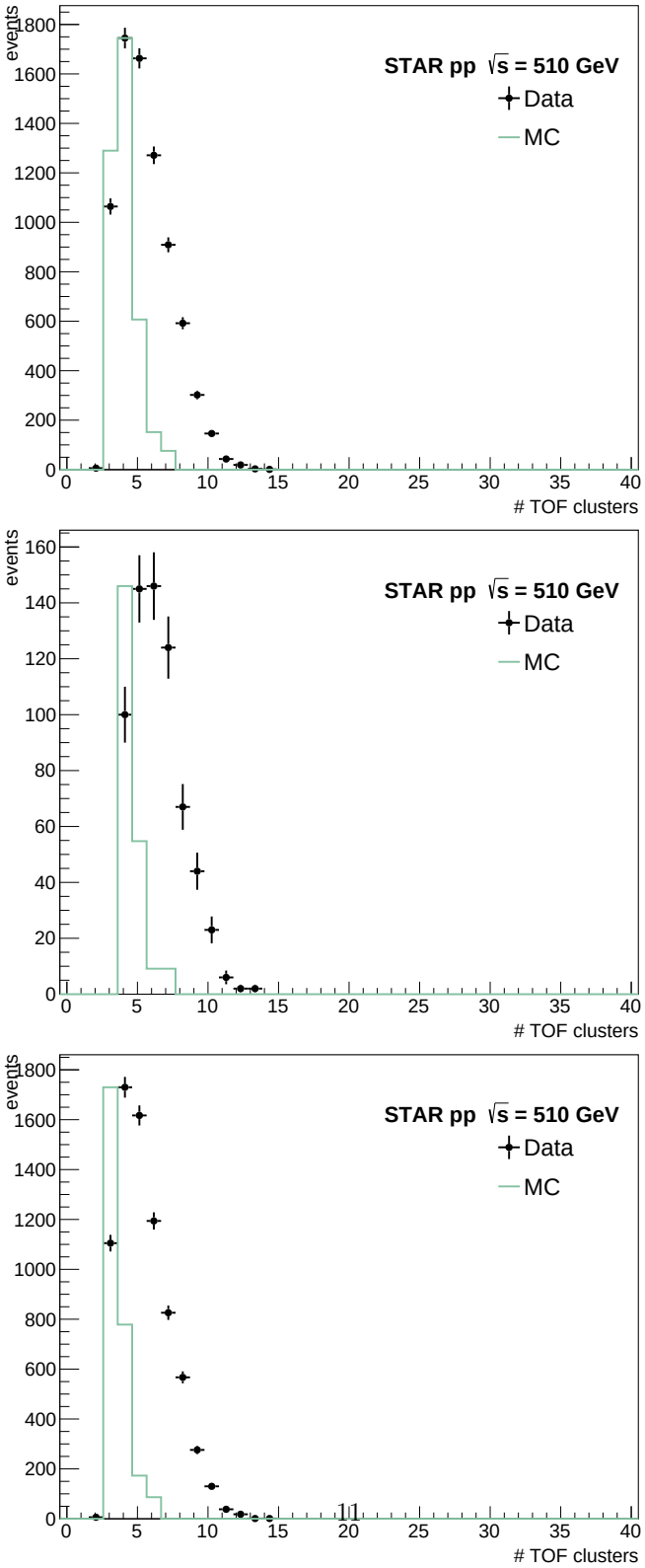

Figure 10: $N_{TOF}^{clusters}$ Cuts: Narrow Mass Window,$DCA_{daughters}^{leading} \leq 1.5$ cm, $DCA_{daughters}^{subleading} \leq 1.5$ cm, $vtx_{K^0K^0}^{dist} \leq 1.5$ cm.
MC was scaled to the maximum of the data

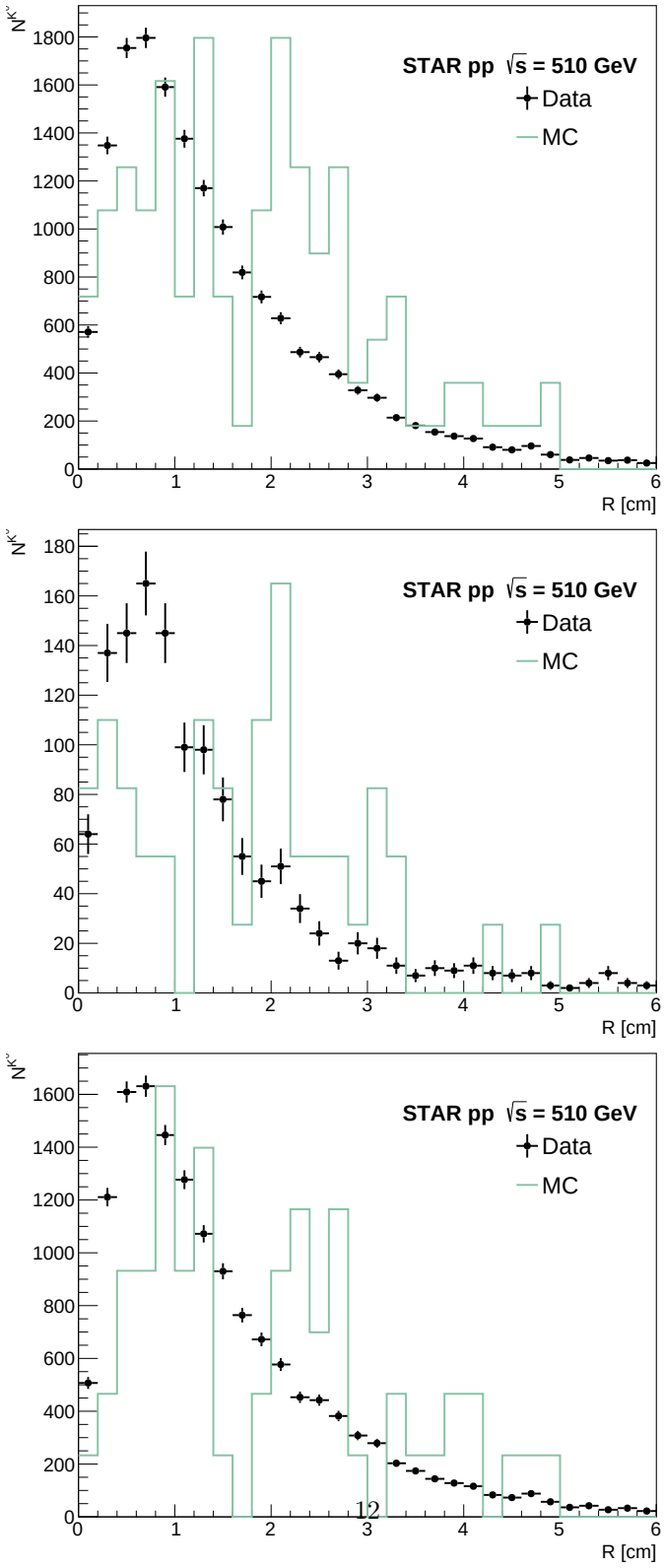

Figure 11: R, Cuts: Narrow Mass Window, $DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

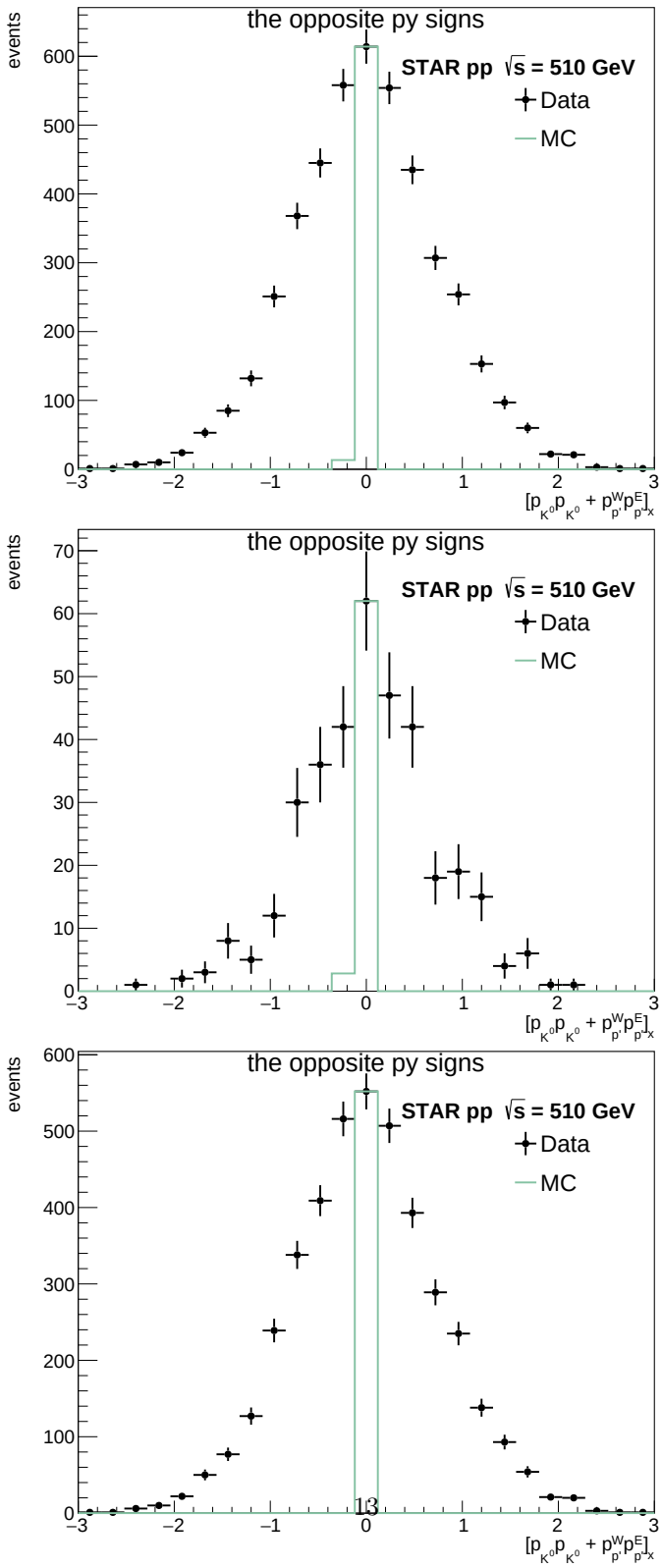

Figure 12: missing momentum in x direction - opposite py sign of the intact protons, Cuts: Narrow Mass Window,$DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

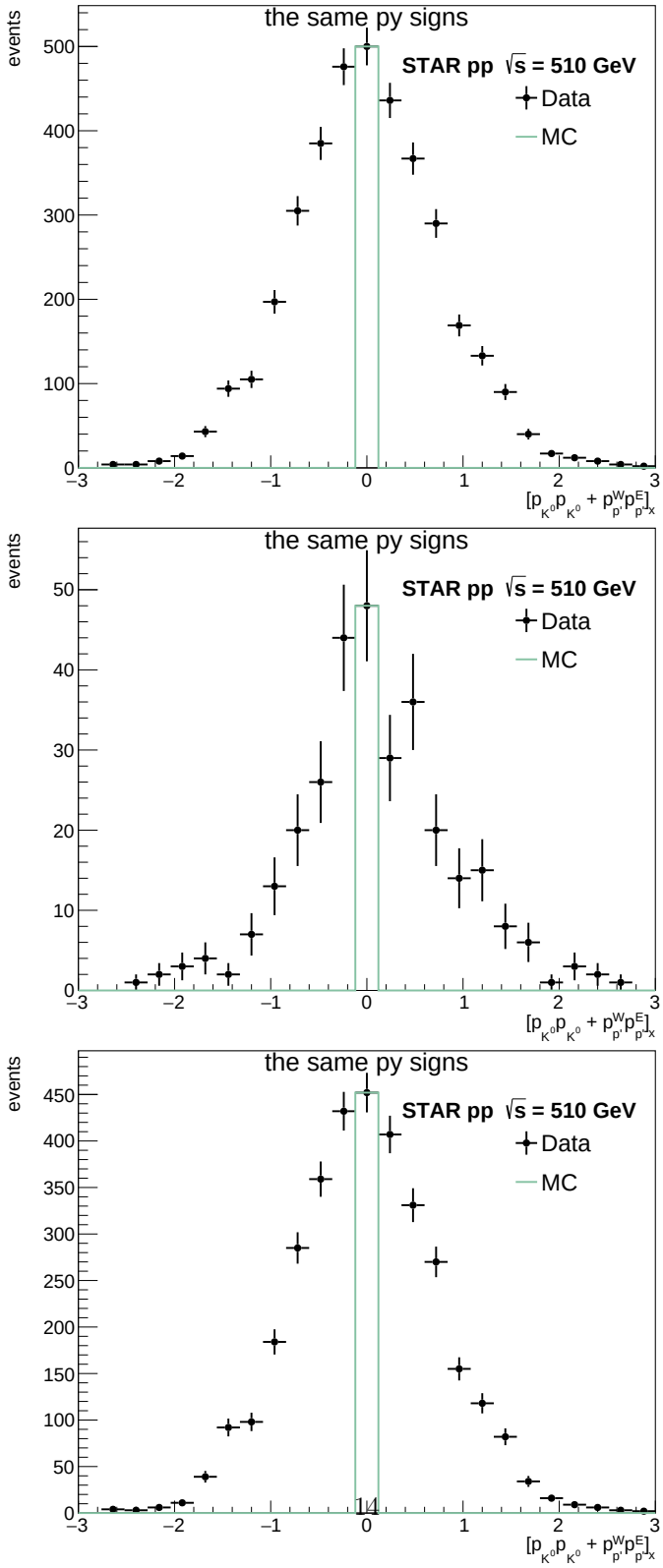

Figure 13: missing momentum in x direction - same py sign of the intact protons, Cuts: Narrow Mass Window,$DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

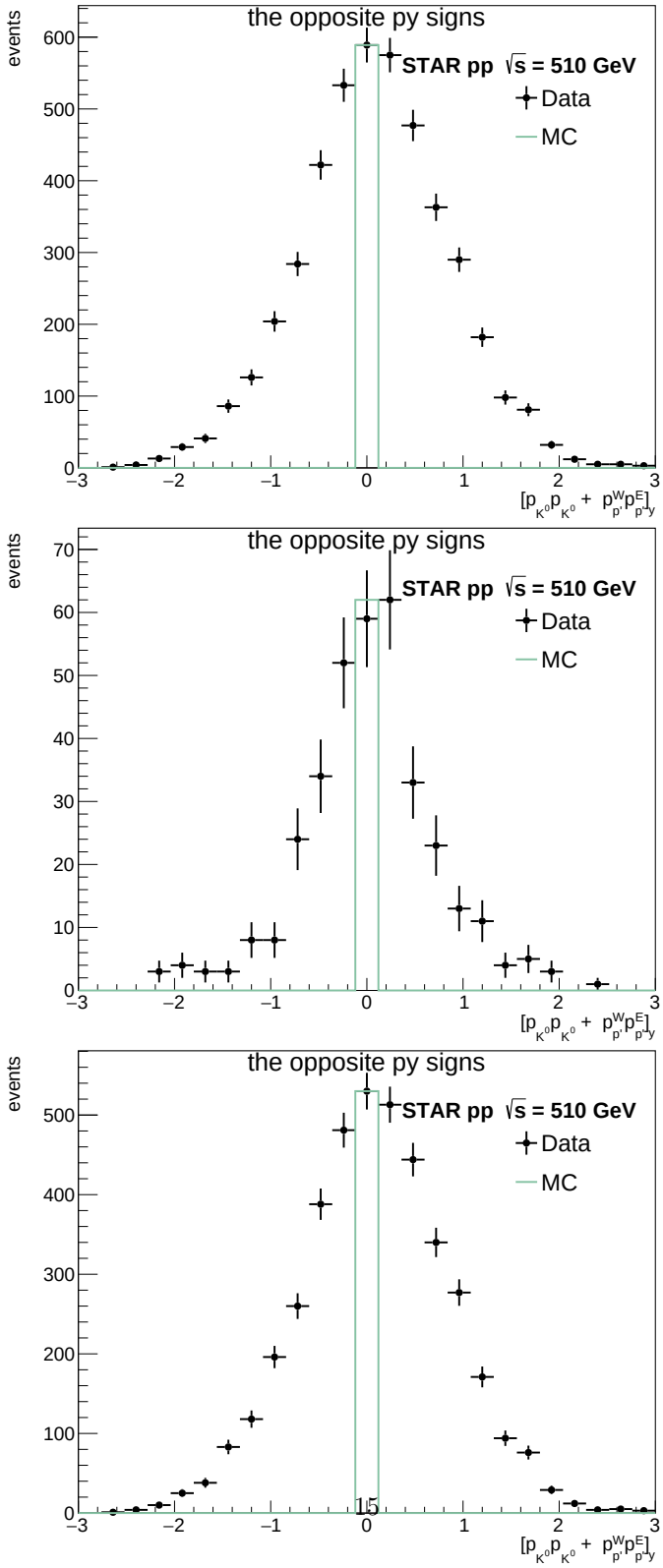

Figure 14: missing momentum in y direction - opposite py sign of the intact protons,, Cuts: Narrow Mass Window,$DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

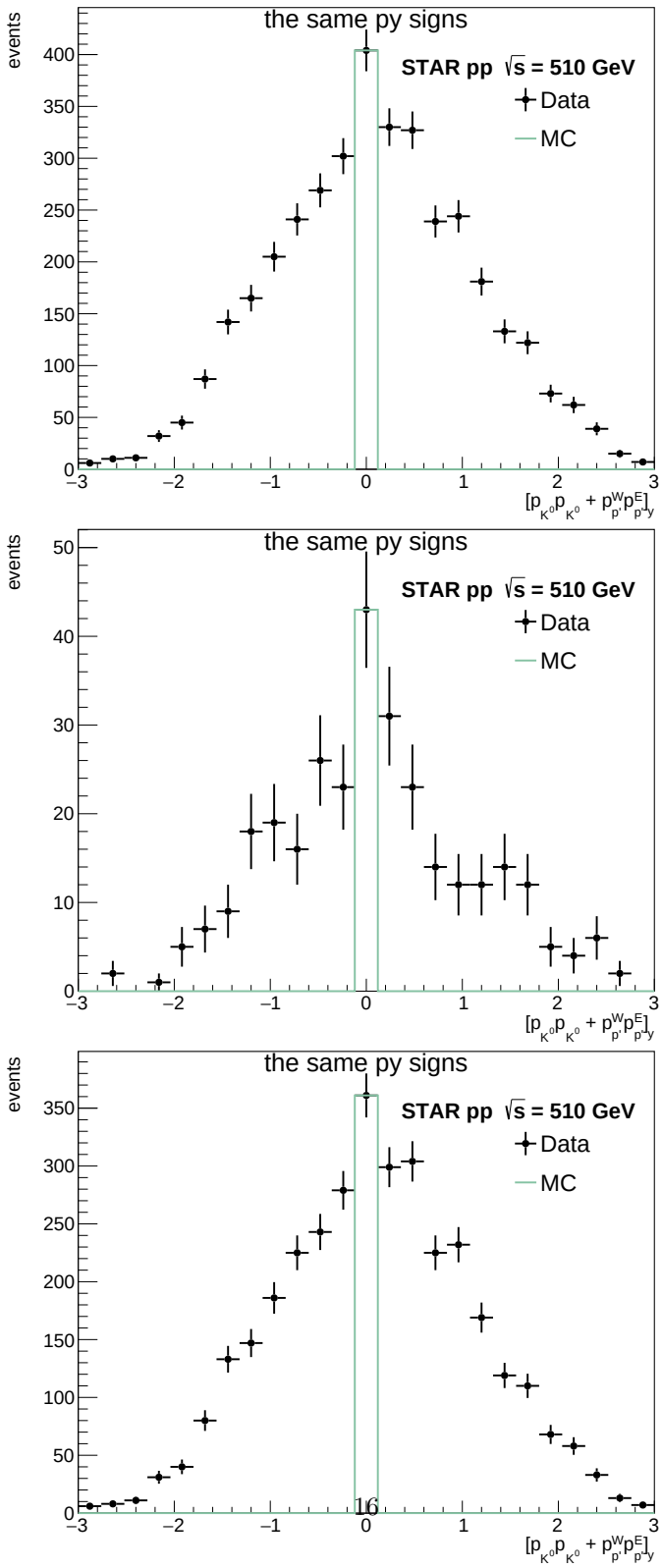

Figure 15: missing momentum in y direction - same py sign of the intact protons,, Cuts: Narrow Mass Window,$DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0K^0} \leq 1.5$ cm.
MC was scaled to the maximum of the data

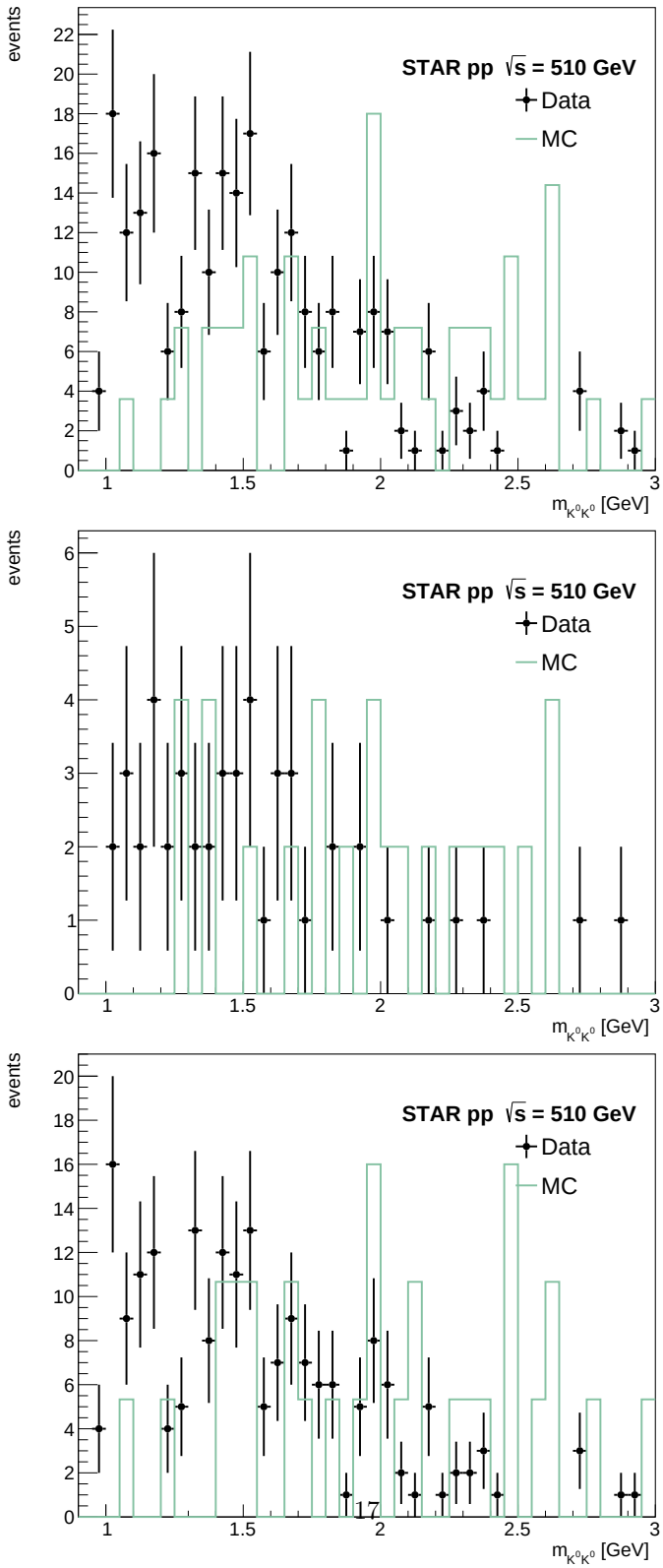

Figure 16: $m^{K_s^0 K_s^0}$. Cuts: Narrow Mass Window,$DCA^{leading}_{daughters} \leq 1.5$ cm, $DCA^{subleading}_{daughters} \leq 1.5$ cm, $vtx^{dist}_{K^0 K^0} \leq 1.5$ cm, $p_{\mathrm{T}}^{miss} < 0.15$ GeV, $N^{clusters}_{TOF} \leq 9$. MC was scaled to the maximum of the data