K* (892) production

in central Pb-Pb collisions

at 20, 30, 40, 80, 160 AGeV

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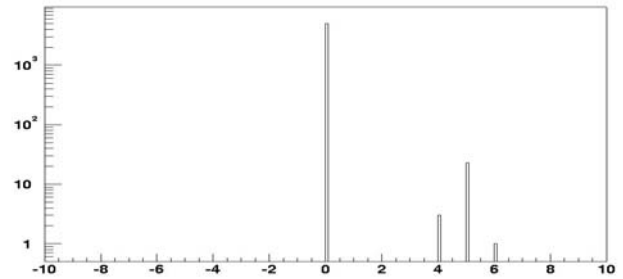# ROOT mini-DSTs data

Central Pb-Pb collisions
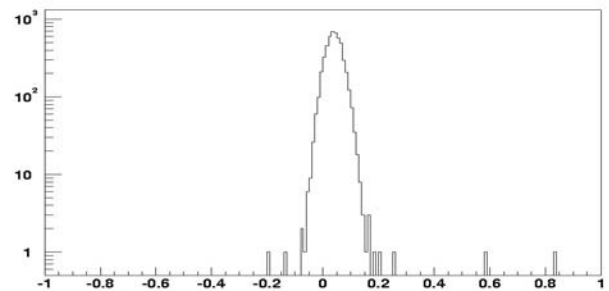
   20 GeV   STD+   –   03A   –   300 K

   30 GeV   STD+   –   02J   –   370 K

   40 GeV   STD+   –   00W   –   360 K

   40 GeV   STD-   –   00C   –   220 K

   80 GeV   STD+   –   01E   –   280 K

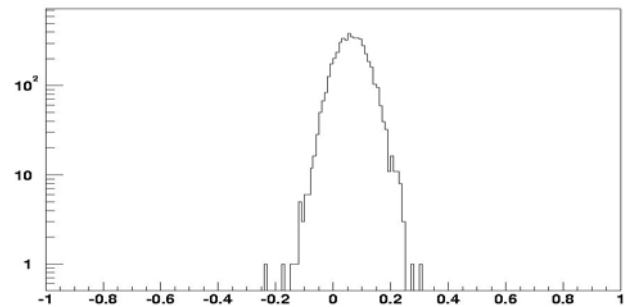160 GeV   STD+   –   01I   –   3 M

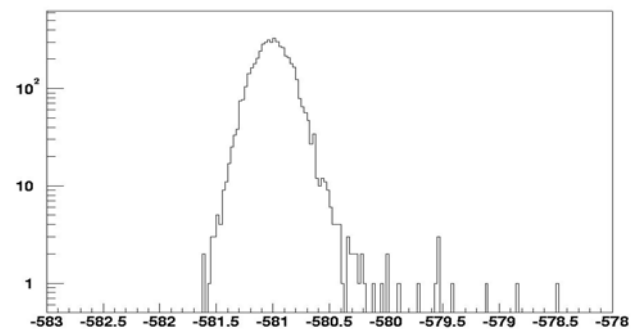# Event cuts

SetVertexIflag (0)

SetVertexX (-0.3, 0.3)

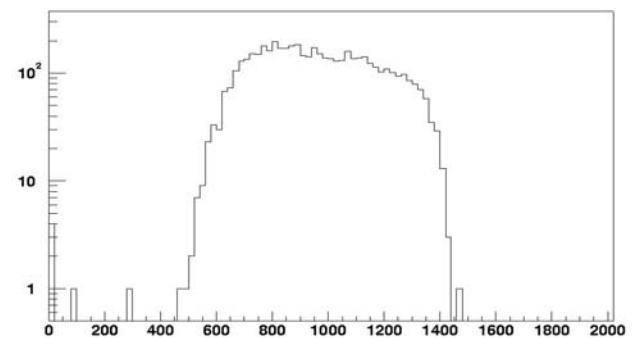SetVertexY (-0.3, 0.3)

SetVertexZ (-582, -580)

SetMult

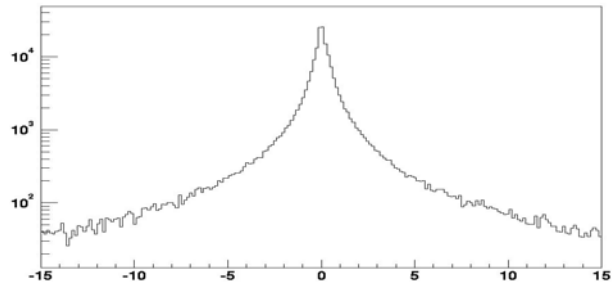(100,800)   – 20 GeV

(300, 900) – 30, 40 GeV

(500, 1200) – 80 GeV
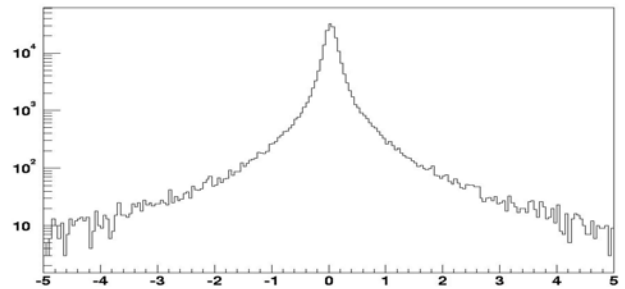
(400, 1600) – 160 GeV

Track cuts

SetBx (-5, 5)
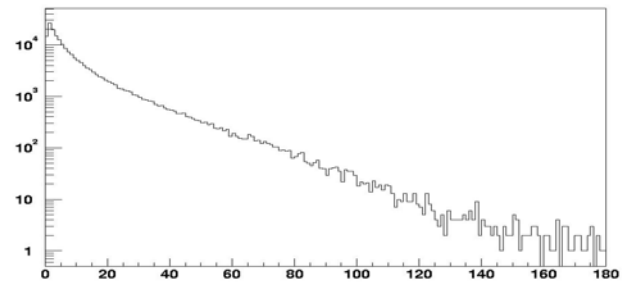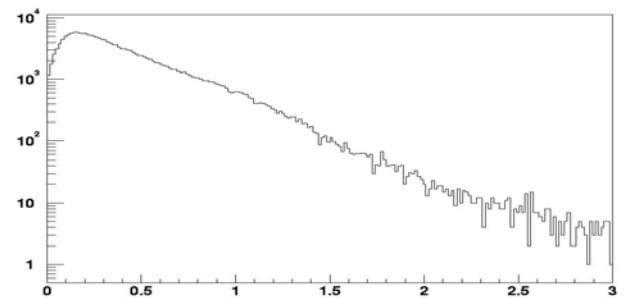
SetBy (-3, 3)

SetP

(3.0, 60)   – 20, 30 GeV
(3.5, 70)   – 40 GeV
(3.0, 80)   – 80 GeV
(3.0, 120) – 160 GeV

SetPt (0.0, 2.5)
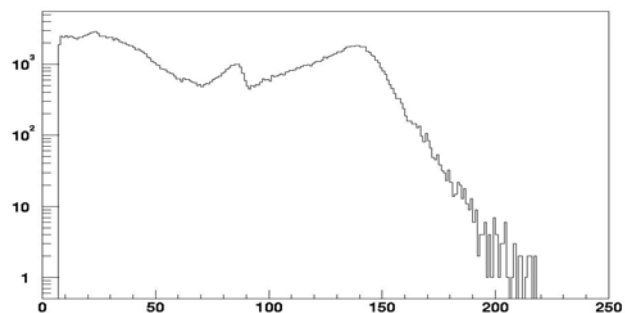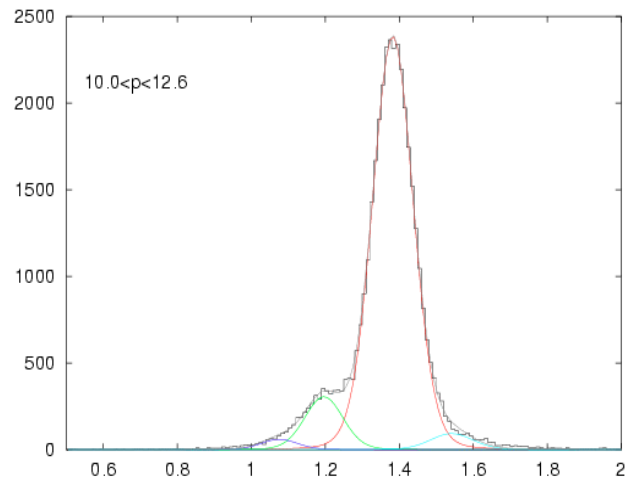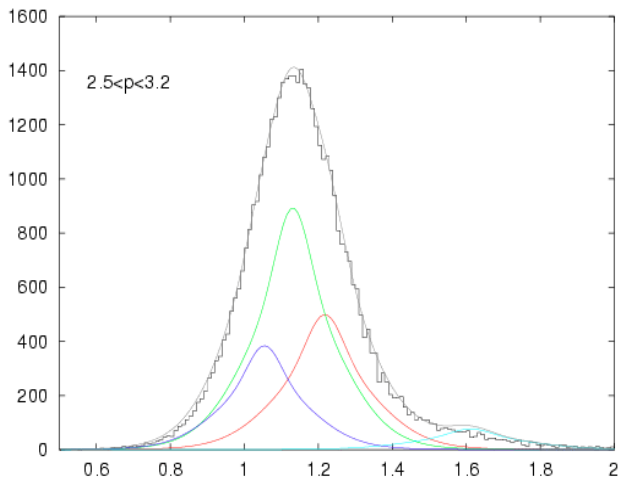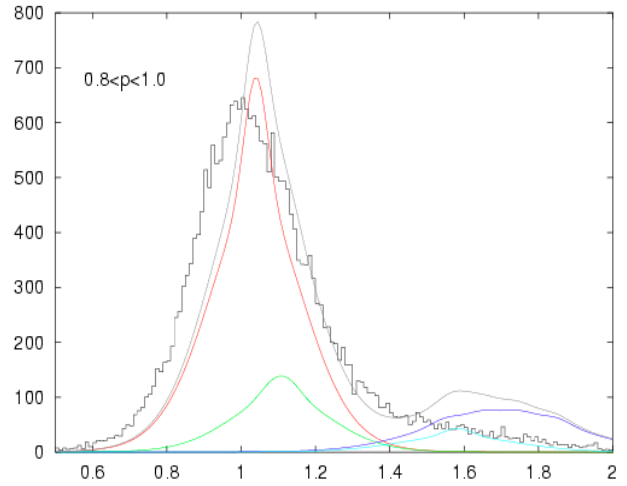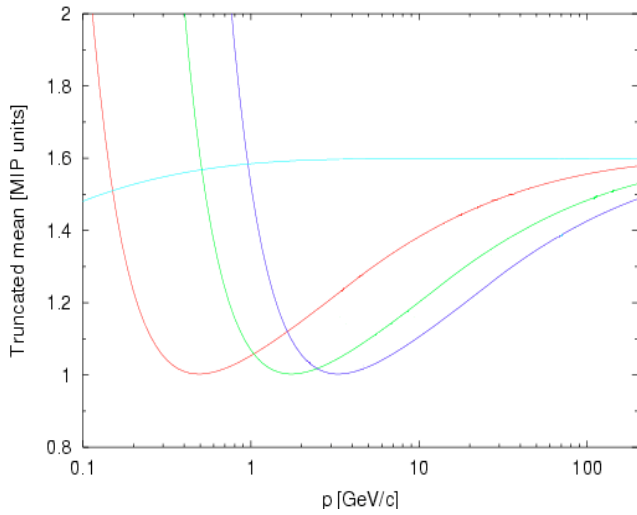
SetNPoint (3, 30, 234)
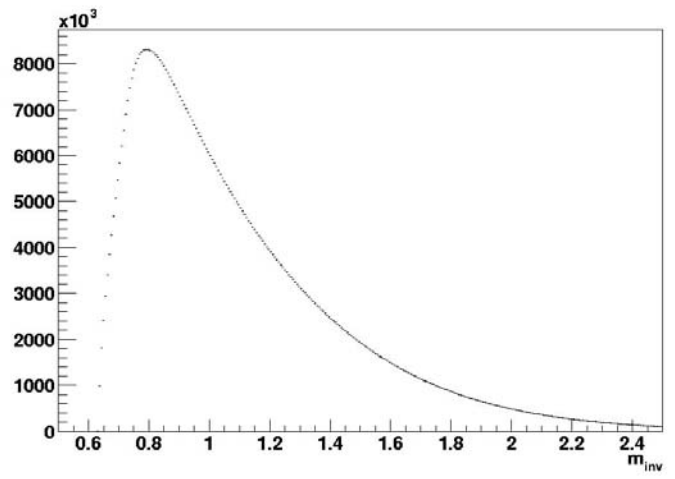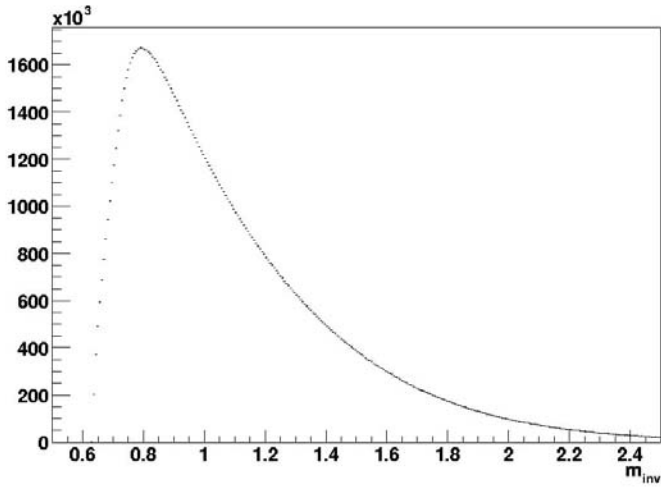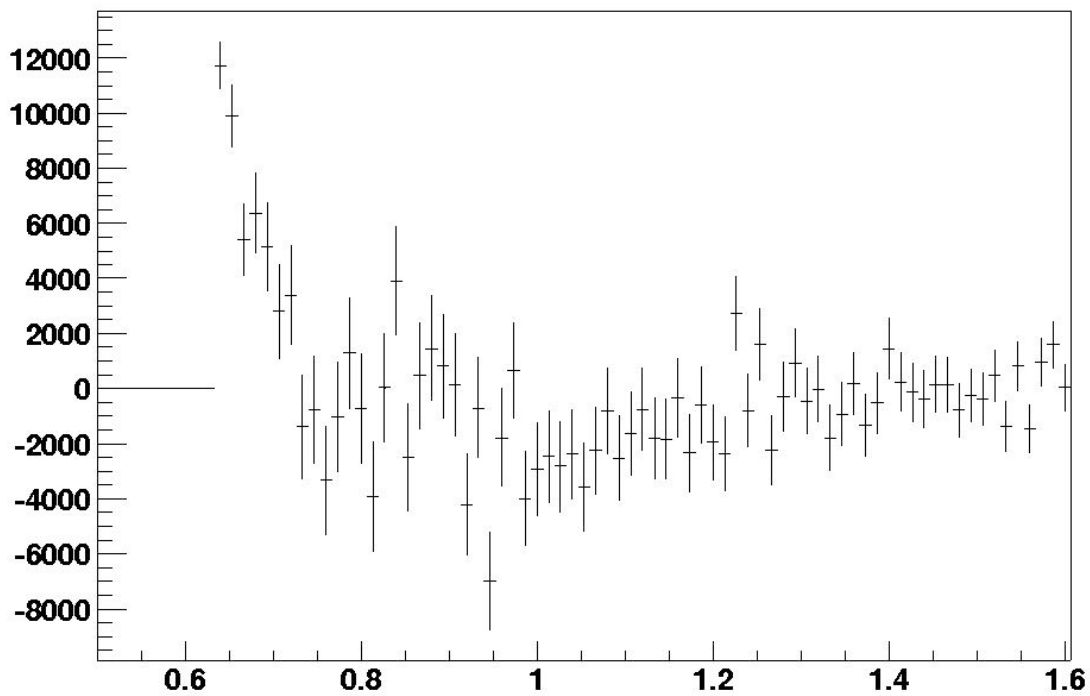
SetNPointToNMaxPoint

(3, 0.5)

dE/dX cuts

dE/dX cuts for pions – 2.0 σ

dE/dX cuts for kaons – 2.0 σ
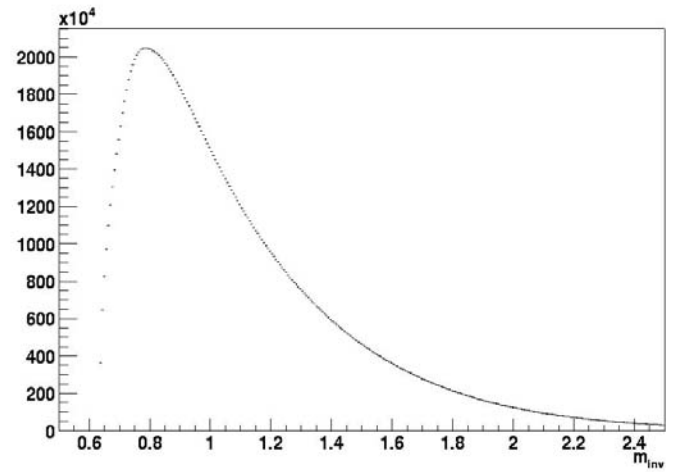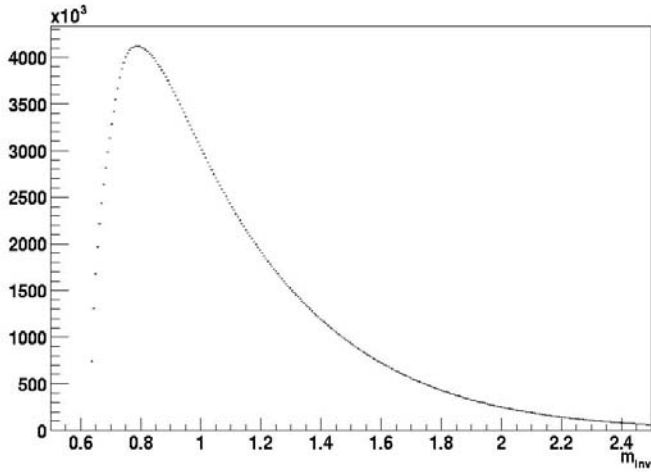
Invariant mass spectra et 20 AGeV

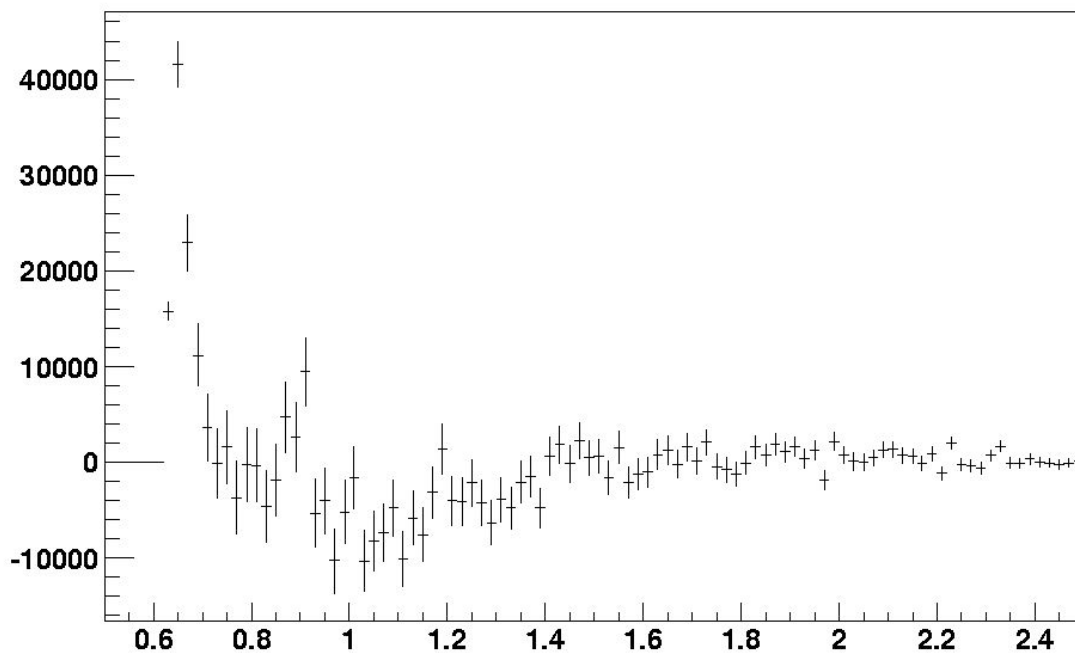Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra
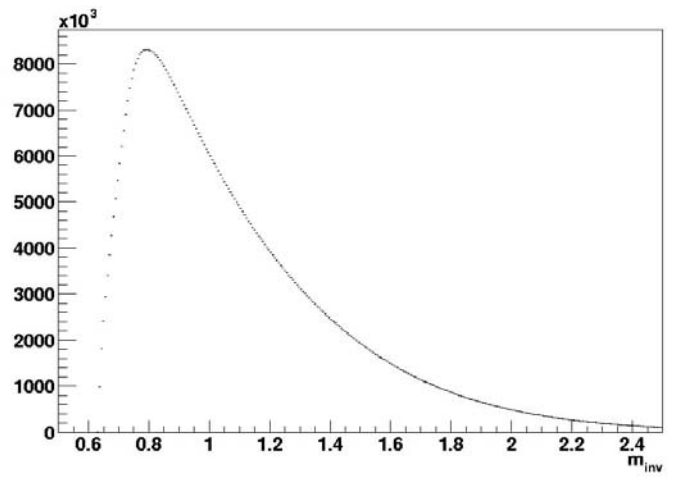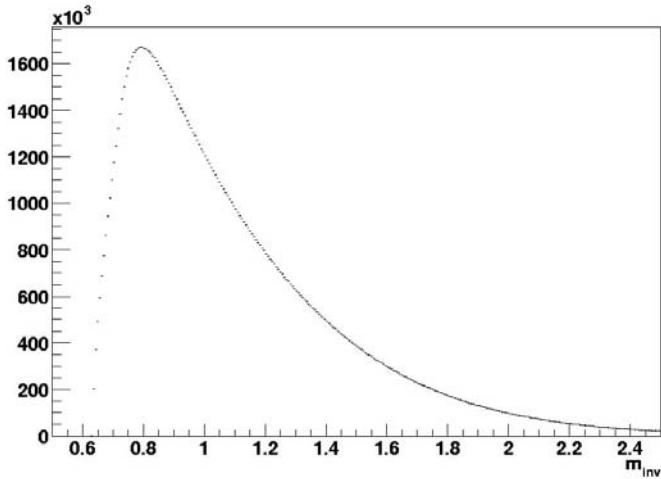
Invariant mass spectra at 30 AGeV

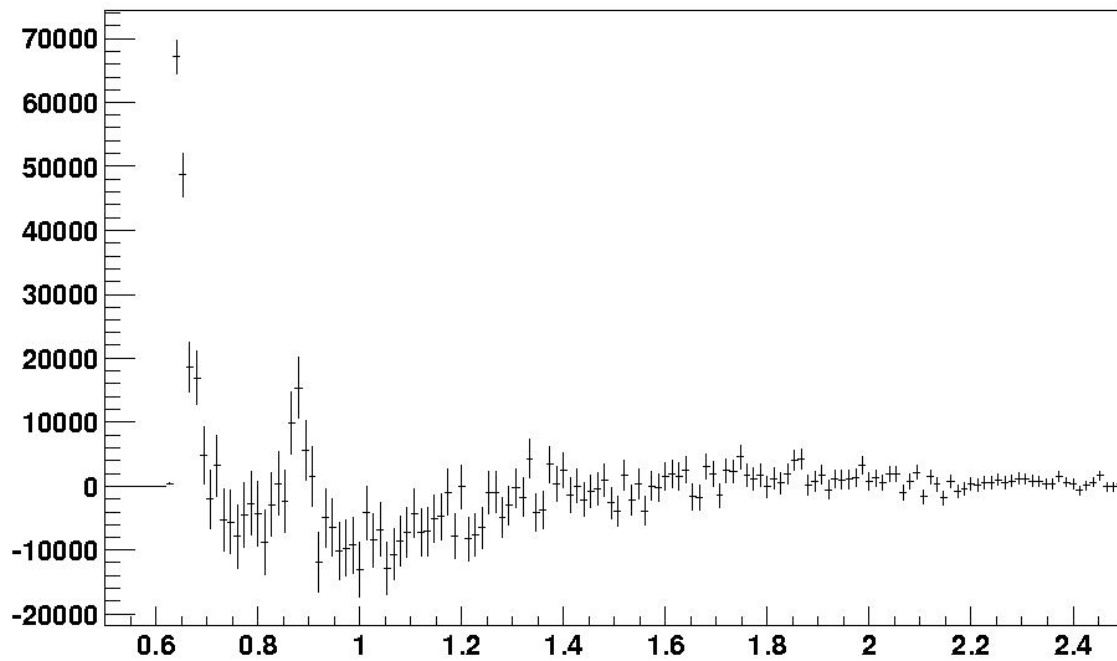Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra

Invariant mass spectra
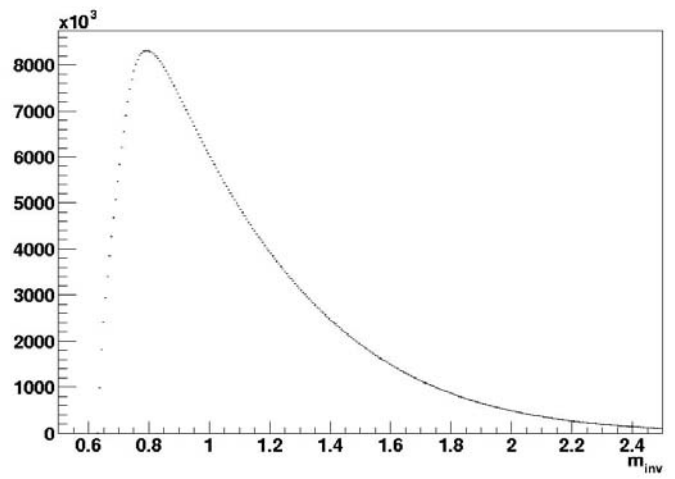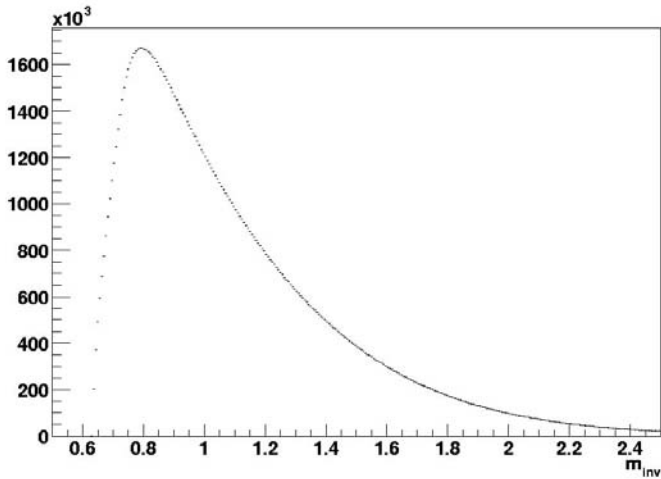# at STD+ 40 AGeV

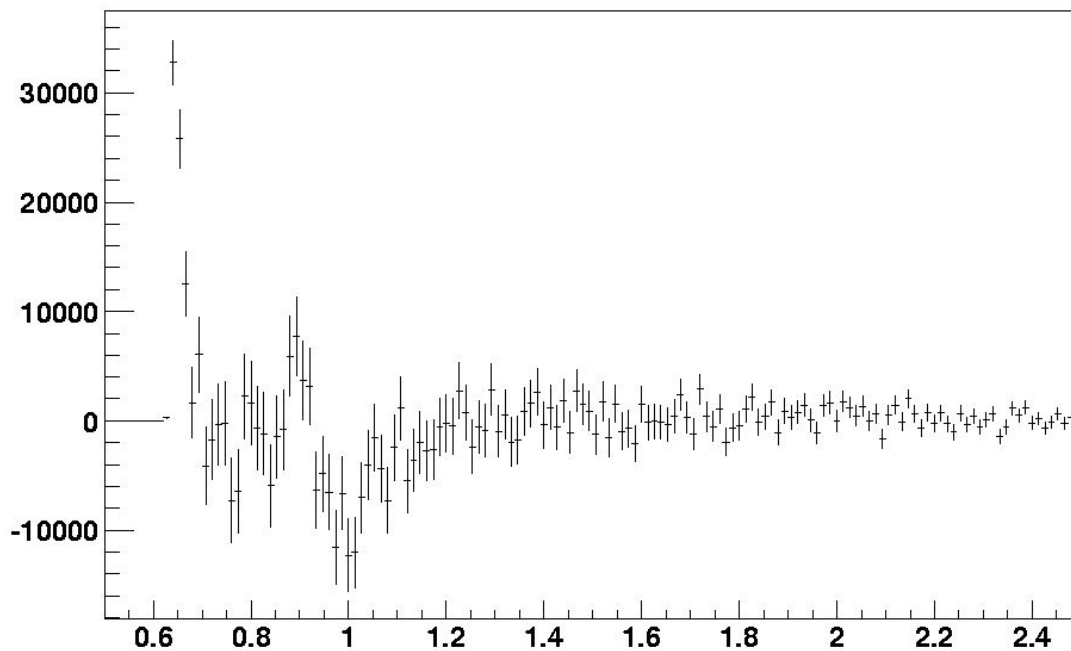

Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra
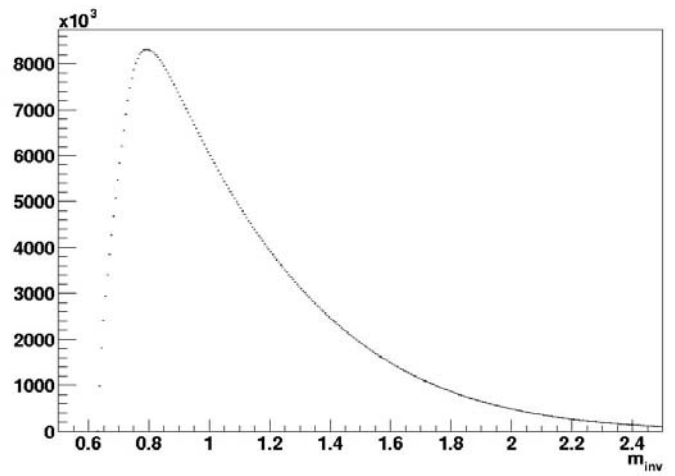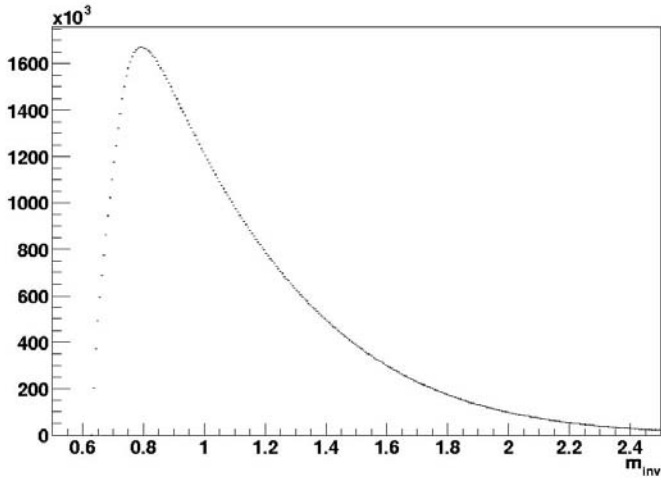
Invariant mass spectra
at STD- 40 AGeV

Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra

Invariant mass spectra at 40 AGeV

Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra

Invariant mass spectra at 80 AGeV
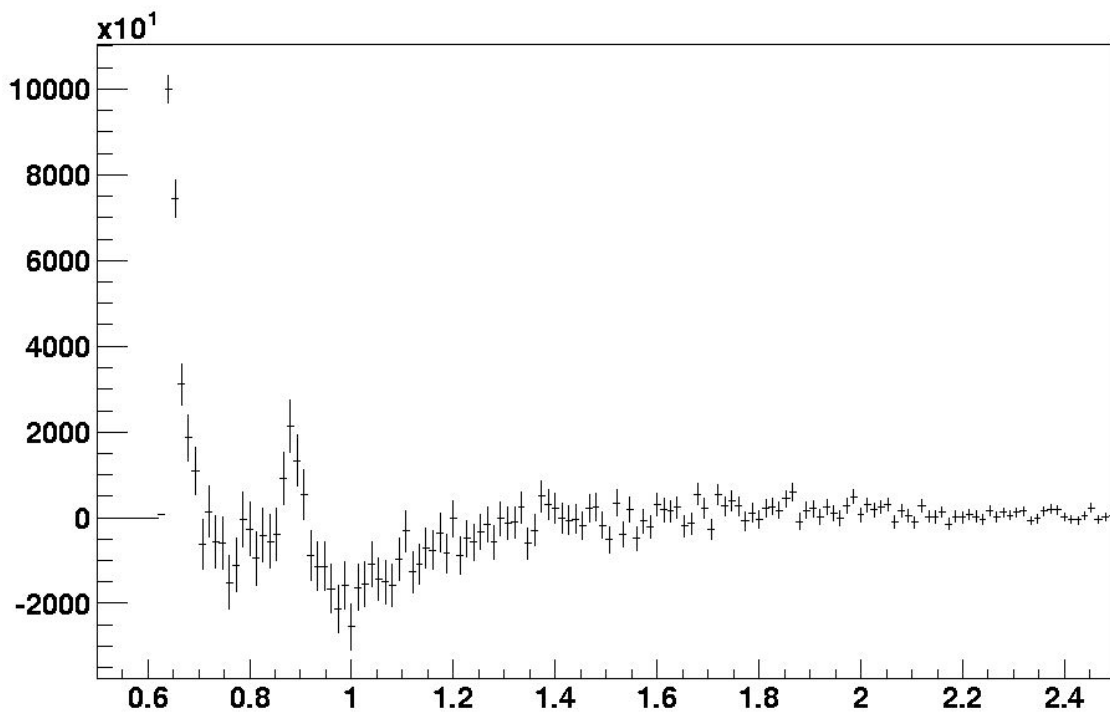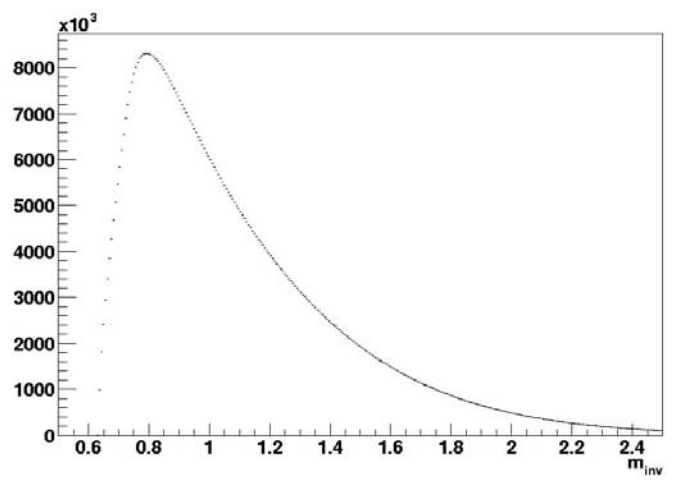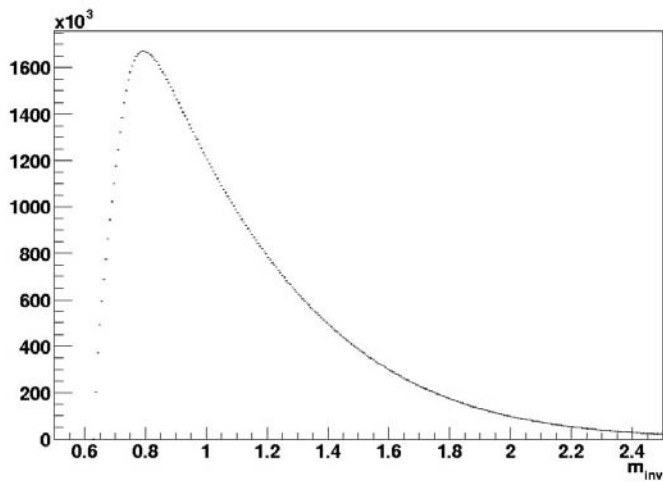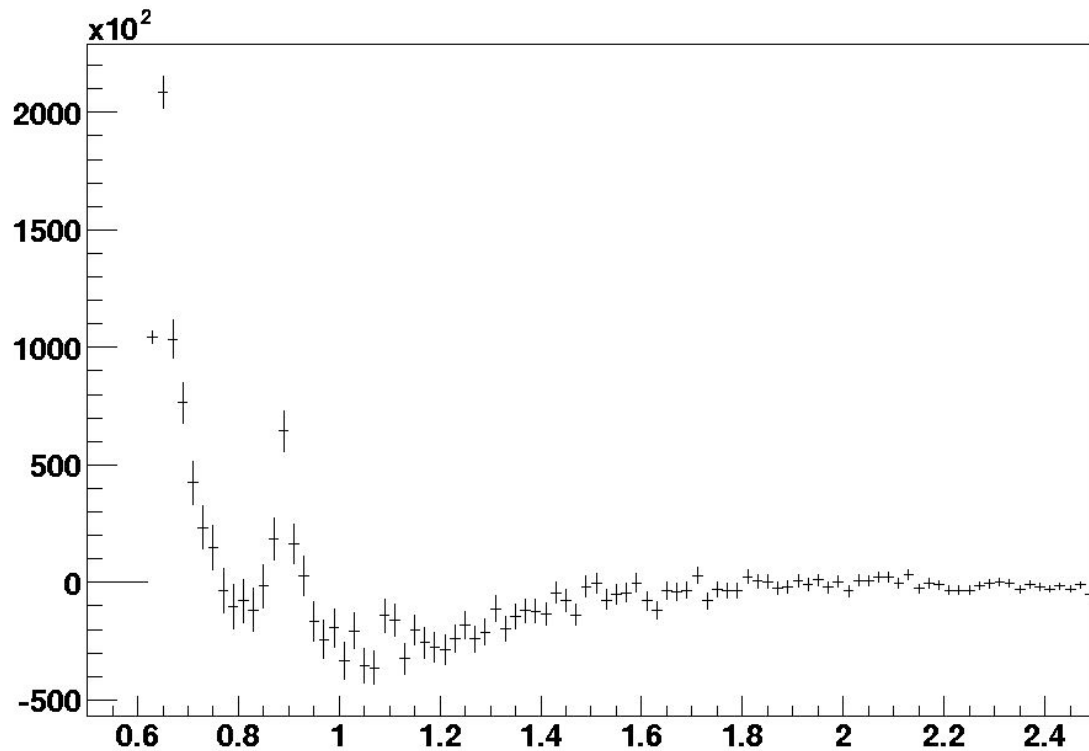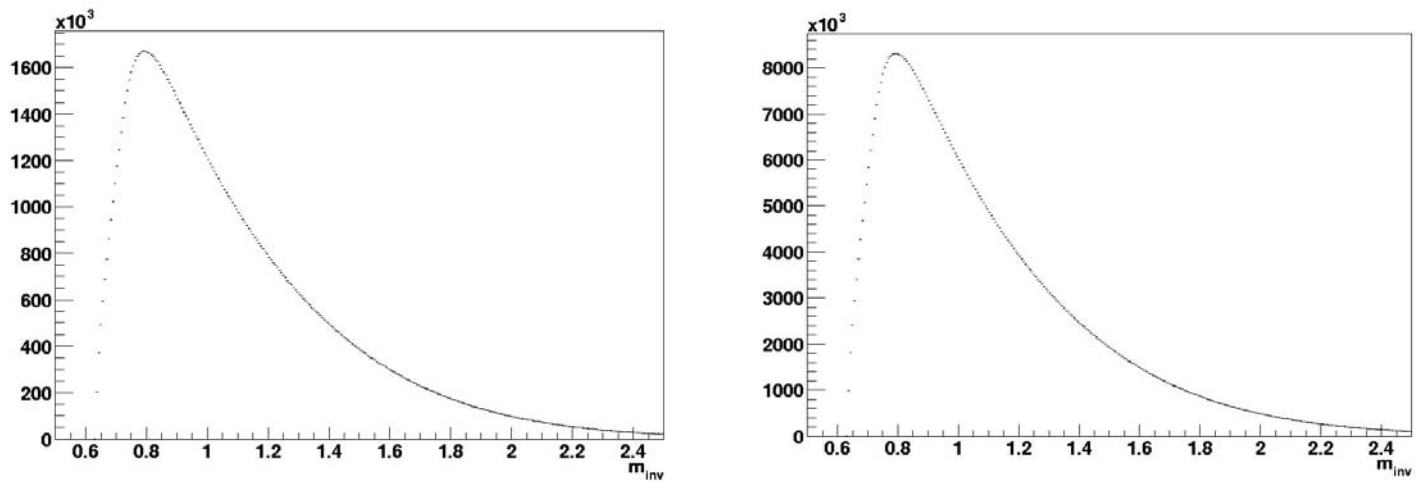
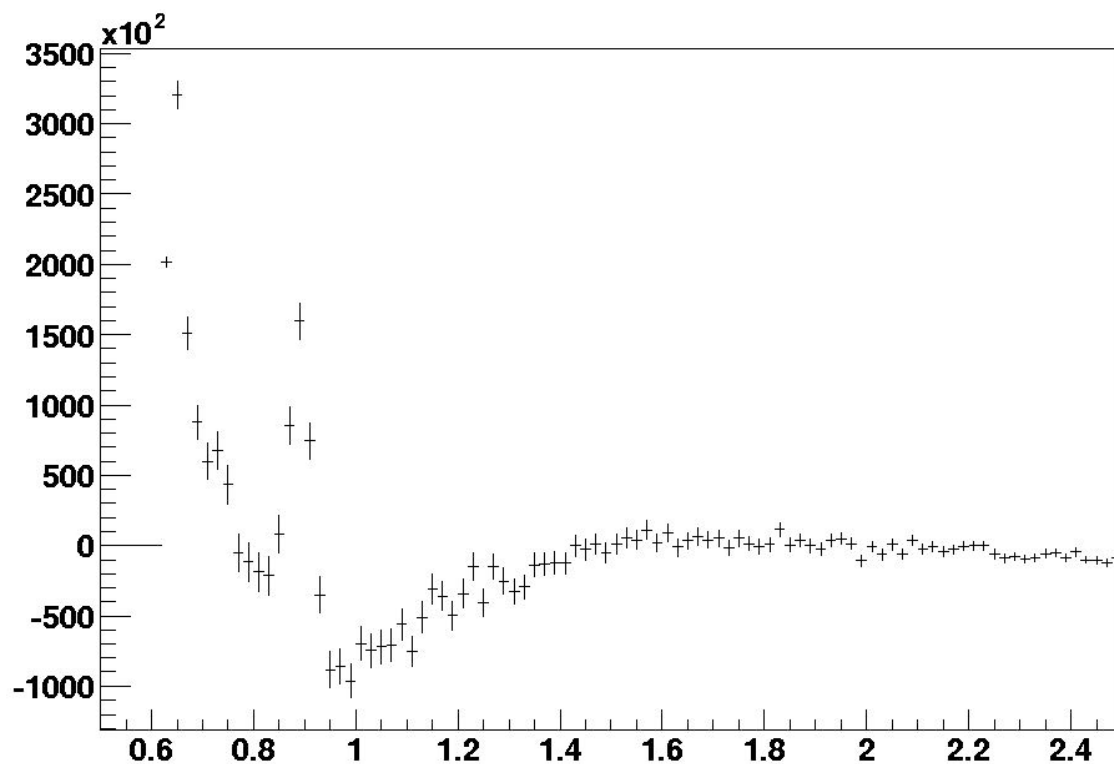

Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra

Invariant mass spectra at 160 AGeV

Invariant mass spectra a) signal, b) background

Background subtracted invariant mass spectra