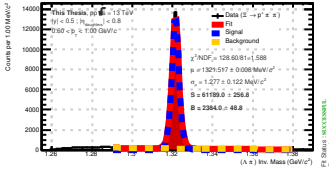
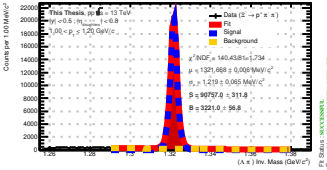
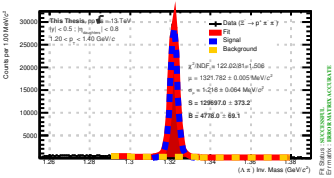
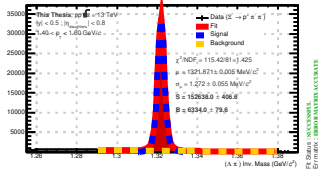
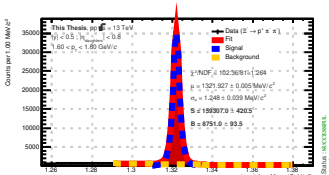
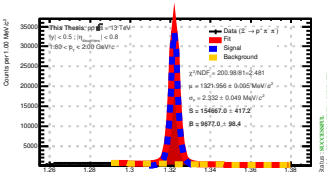

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
0.60 < p_T < 1.00 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 128.60/81±1.588
μ = 1321.597 ± 0.006 MeV/c²
σ_m = 1.277 ± 0.122 MeV/c²
S = 61189.0 ± 256.8
B = 2384.0 ± 48.8
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

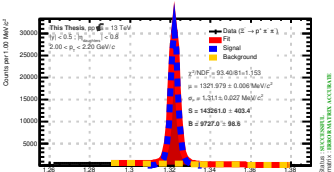

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
1.00 < p_T < 1.20 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 140.43/81±1.734
μ = 1321.668 ± 0.006 MeV/c²
σ_m = 1.219 ± 0.065 MeV/c²
S = 90757.0 ± 311.8
B = 3221.0 ± 56.8
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

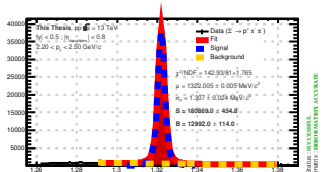

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
1.20 < p_T < 1.40 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 122.02/81±1.506
μ = 1321.782 ± 0.005 MeV/c²
σ_m = 1.216 ± 0.064 MeV/c²
S = 129697.0 ± 373.2
B = 4786.0 ± 69.1
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

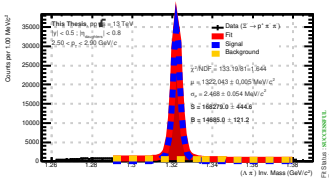

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
1.40 < p_T < 1.60 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 115.42/81±1.425
μ = 1321.821 ± 0.005 MeV/c²
σ_m = 1.272 ± 0.055 MeV/c²
S = 152638.0 ± 406.8
B = 6334.0 ± 79.6
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

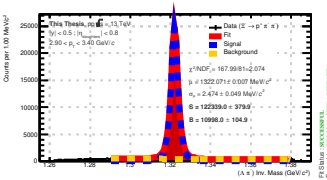

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
1.60 < p_T < 1.80 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 102.56/81±1.264
μ = 1321.927 ± 0.005 MeV/c²
σ_m = 1.248 ± 0.039 MeV/c²
S = 159307.0 ± 420.5
B = 8751.0 ± 93.5
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

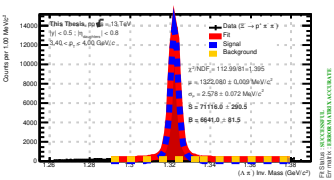

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
1.80 < p_T < 2.00 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 200.98/81±2.481
μ = 1321.956 ± 0.005 MeV/c²
σ_m = 2.332 ± 0.049 MeV/c²
S = 154667.0 ± 417.2
B = 9677.0 ± 98.4
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

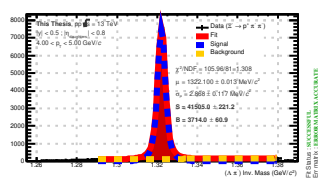

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
2.00 < p_T < 2.20 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 93.40/81±1.153
μ = 1321.979 ± 0.006 MeV/c²
σ_m = 1.311 ± 0.022 MeV/c²
S = 143261.0 ± 403.4
B = 9727.0 ± 98.5
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE

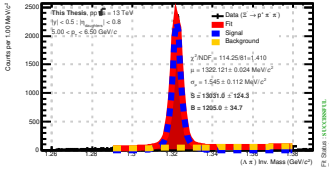

This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
2.20 < p_T < 2.50 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 142.93/81±1.765
μ = 1322.005 ± 0.005 MeV/c²
σ_m = 1.377 ± 0.024 MeV/c²
S = 180869.0 ± 454.8
B = 12992.0 ± 114.0
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE


This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
2.50 < p_T < 2.90 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 153.19/81±1.844
μ = 1322.043 ± 0.005 MeV/c²
σ_m = 2.468 ± 0.054 MeV/c²
S = 168279.0 ± 444.6
B = 14985.0 ± 121.2
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE


This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
2.90 < p_T < 3.40 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 167.99/81±2.074
μ = 1322.071 ± 0.007 MeV/c²
σ_m = 2.474 ± 0.049 MeV/c²
S = 123339.0 ± 379.9
B = 10996.0 ± 104.9
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE


This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
3.40 < p_T < 4.00 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 112.39/81±1.395
μ = 1322.080 ± 0.009 MeV/c²
σ_m = 2.578 ± 0.072 MeV/c²
S = 71116.0 ± 290.5
B = 6641.0 ± 81.5
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE


This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
4.00 < p_T < 5.00 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 105.96/81±1.308
μ = 1322.100 ± 0.013 MeV/c²
σ_m = 2.869 ± 0.117 MeV/c²
S = 4150.0 ± 221.2
B = 3714.0 ± 60.9
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE


This Thesis, pp at = 13 TeV
|y| < 0.5 ; |η_Λ̄π̄π̄| < 0.8
5.00 < p_T < 6.50 GeV/c
Data (Ξ⁻ → p⁺ π⁻ π⁻)
Fit
Signal
Background
χ²/NDF = 114.25/81±1.410
μ = 1322.121 ± 0.024 MeV/c²
σ_m = 1.545 ± 0.112 MeV/c²
S = 13931.0 ± 124.3
B = 1205.0 ± 34.7
Counts per 1.00 MeV/c²
(Λ̄ π̄) Inv. Mass (GeV/c²)
FI Status: SUCCESSFUL
FI Fitting: ANNANALYSIS_ACCURATE