Run: 8460, Snarl: 947338, Slice: 1(/11), Event 1(/9)

Reco

#Trks: 1

#Shws: 1

q/p: -0.489 +/- 0.026, p/q: -2.045

TrkRangeEnergy: 2.102 RecoShwEnergy: 0.299

Vtx: 0.48, 0.07, 3.74

Truth

N/A

N/A

N/A

N/A

N/A

N/A

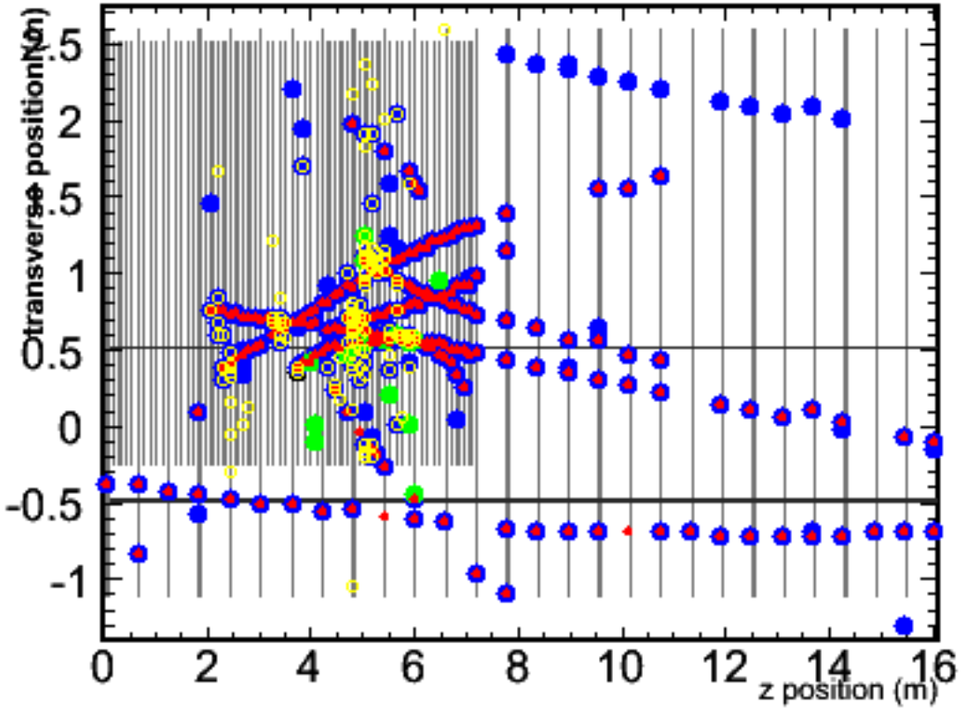
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

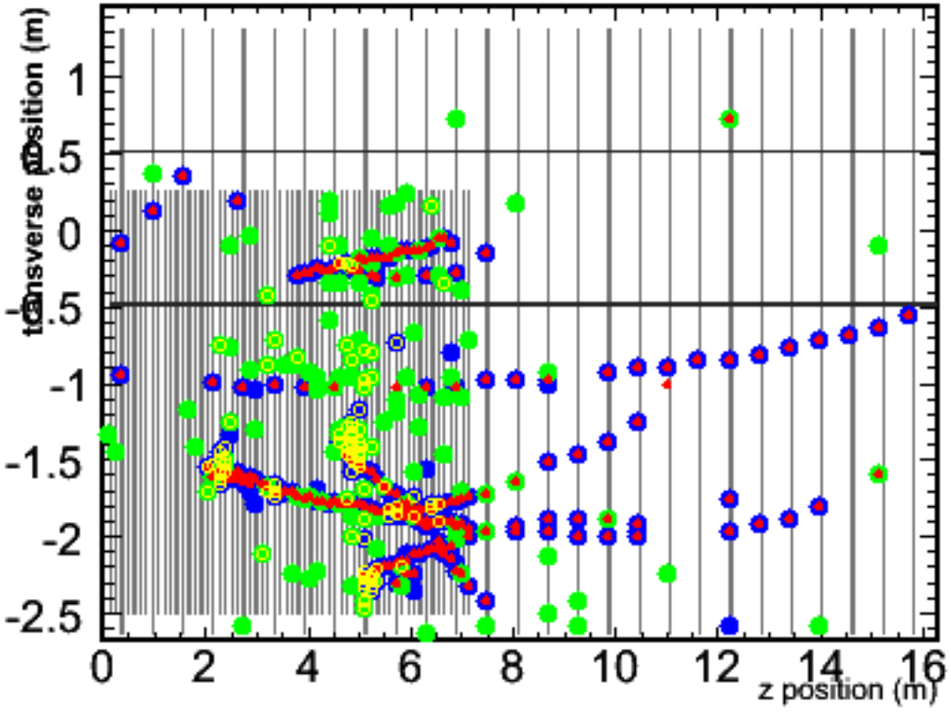
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 1(/11), Event 1(/9)

Reco

#Trks: 1

#Shws: 1

q/p: -0.489 +/- 0.026, p/q: -2.045

TrkRangeEnergy: 2.102 RecoShwEnergy: 0.299

Vtx: 0.48, 0.07, 3.74

Truth

N/A

N/A

N/A

N/A

N/A

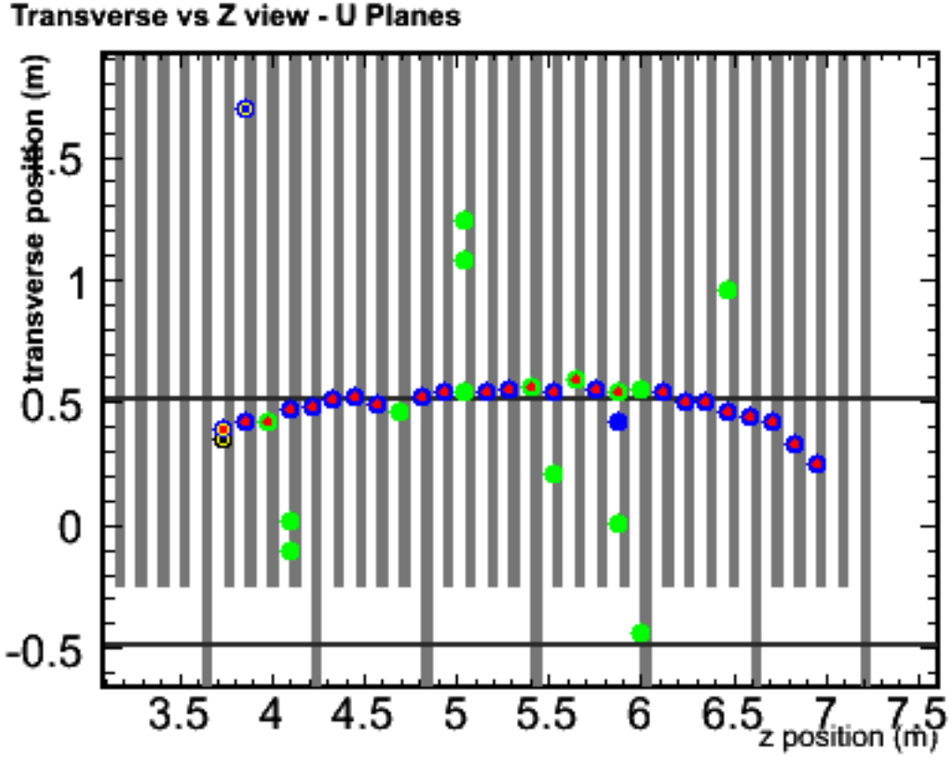
N/A

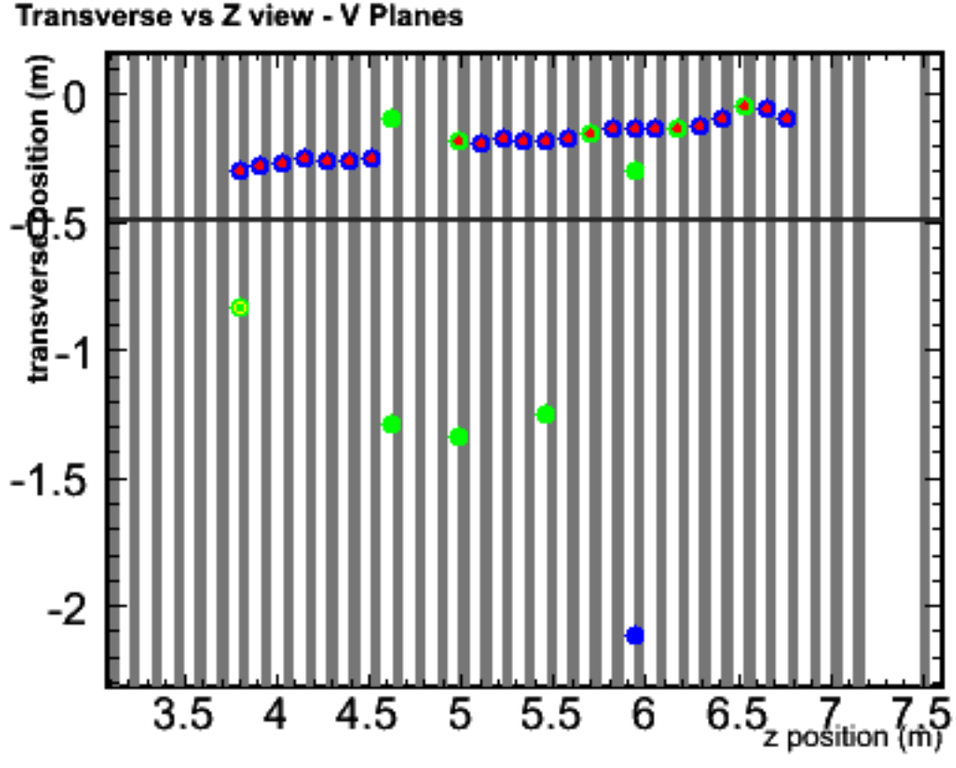
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν
- initial ν





Run: 8460, Snarl: 947338, Slice: 3(/11), Event 2(/9)

Reco

#Trks: 1

#Shws: 0

q/p: -0.489 +/- 0.026, p/q: -2.045

TrkRangeEnergy: 2.102 RecoShwEnergy: 0.000

Vtx: 0.48, 0.07, 3.74

Truth

N/A

N/A

N/A

N/A

N/A

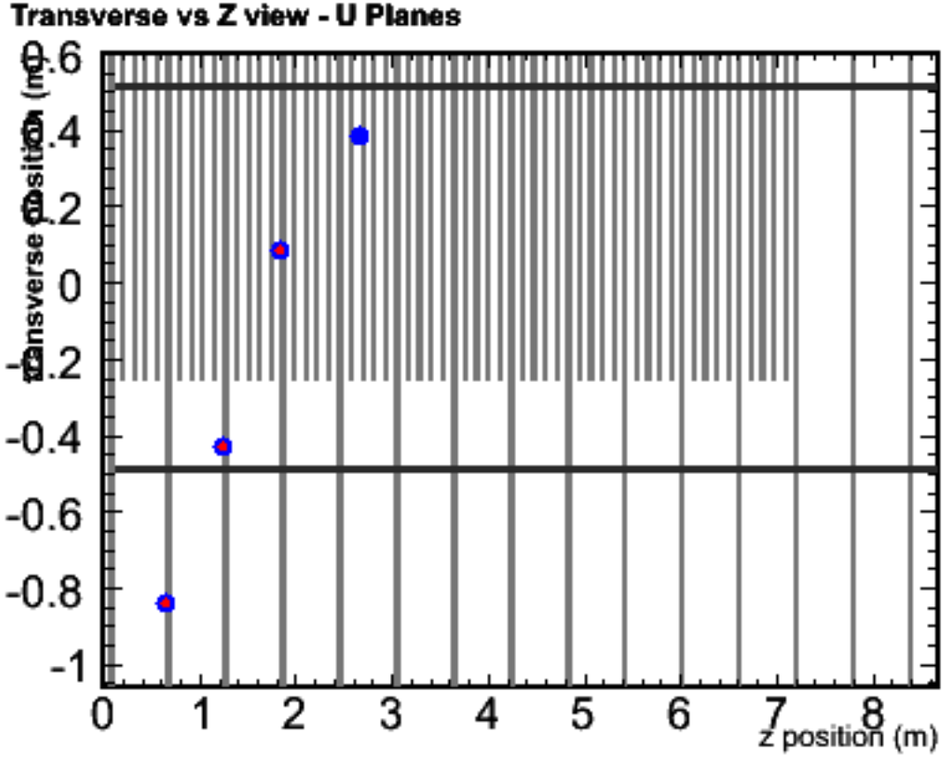
N/A

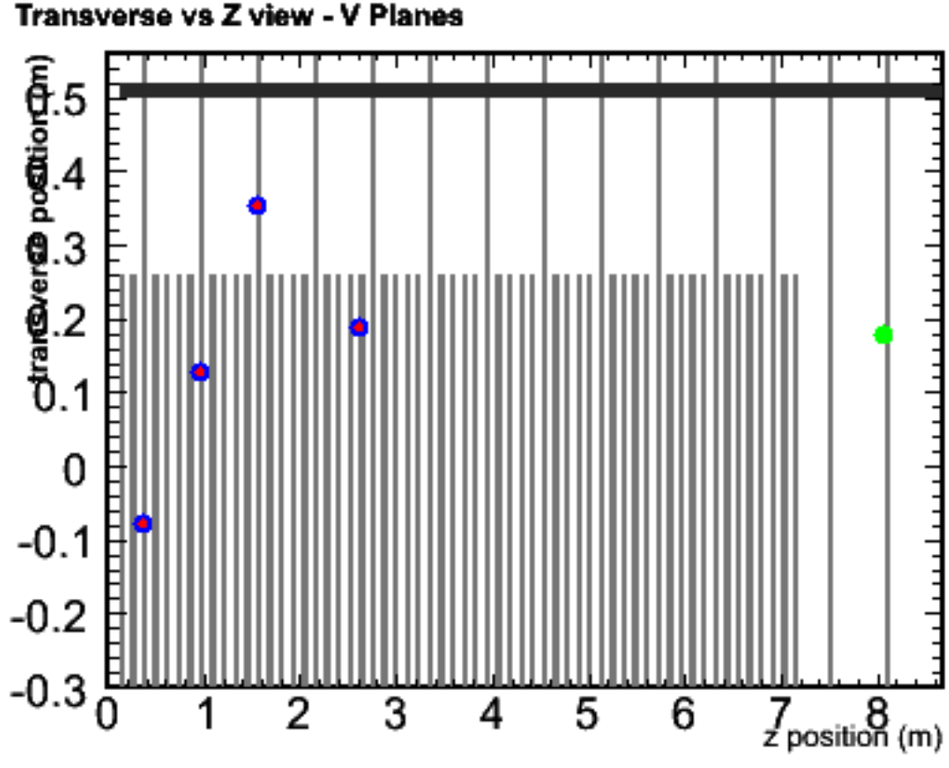
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν





Run: 8460, Snarl: 947338, Slice: 5(/11), Event 3(/9)

Reco

#Trks: 1

#Shws: 0

q/p: -0.034 +/- 0.003, p/q: -29.451

TrkRangeEnergy: 10.870 RecoShwEnergy: 0.000

Vtx: 0.40, -0.92, 0.05

Truth

N/A

N/A

N/A

N/A

N/A

N/A

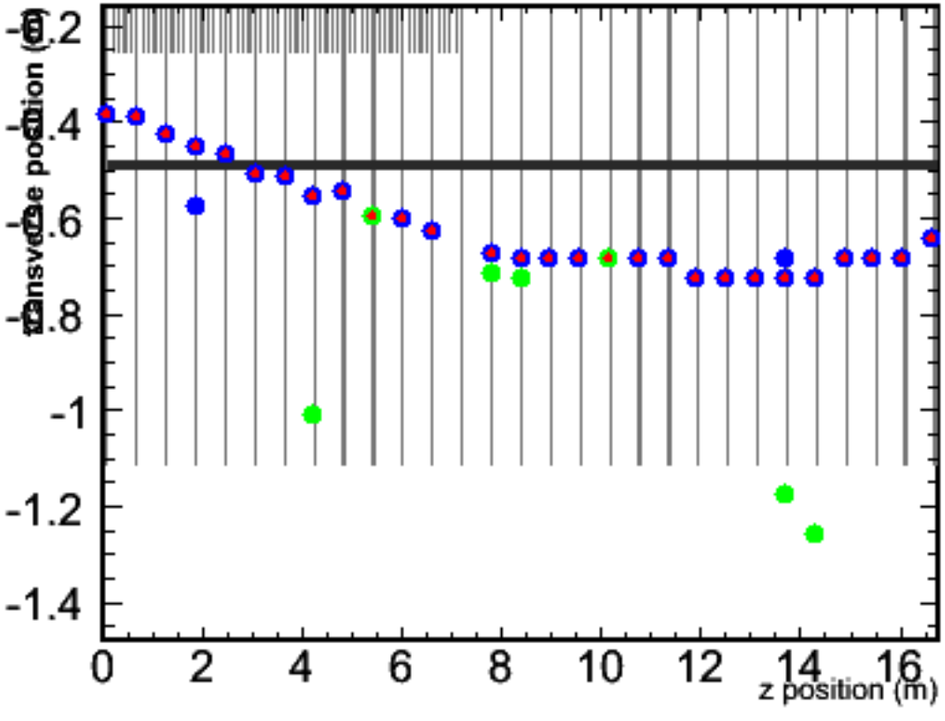
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

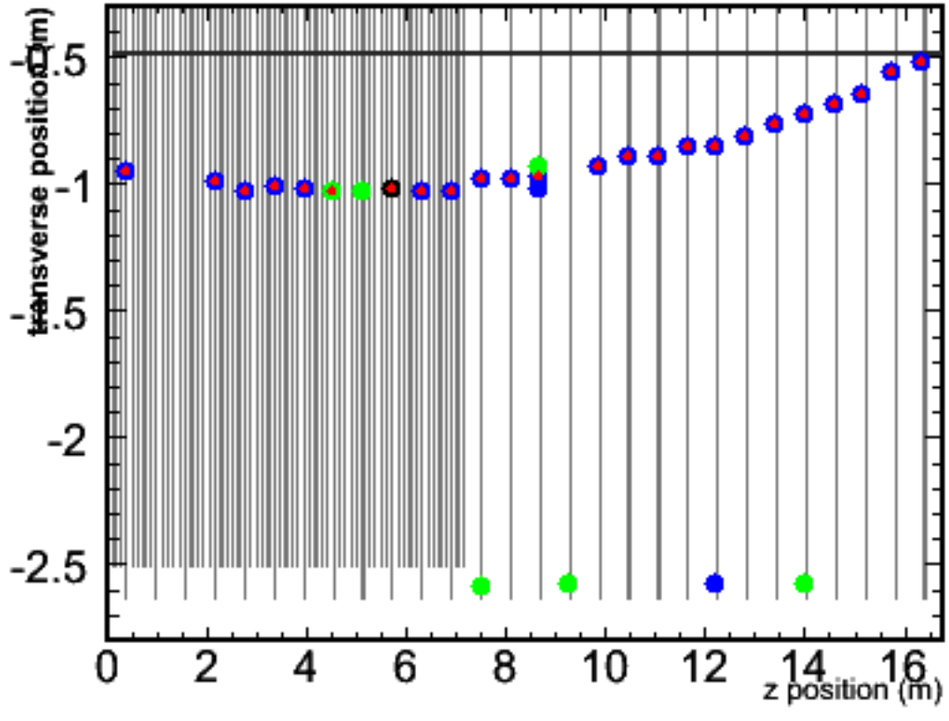
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν
- initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 6(/11), Event 4(/9)

Reco

#Trks: 1

#Shws: 0

q/p: -0.758 +/- 0.231, p/q: -1.320

TrkRangeEnergy: 0.948 RecoShwEnergy: 0.000

Vtx: 3.10, -0.31, 4.81

Truth

N/A

N/A

N/A

N/A

N/A

N/A

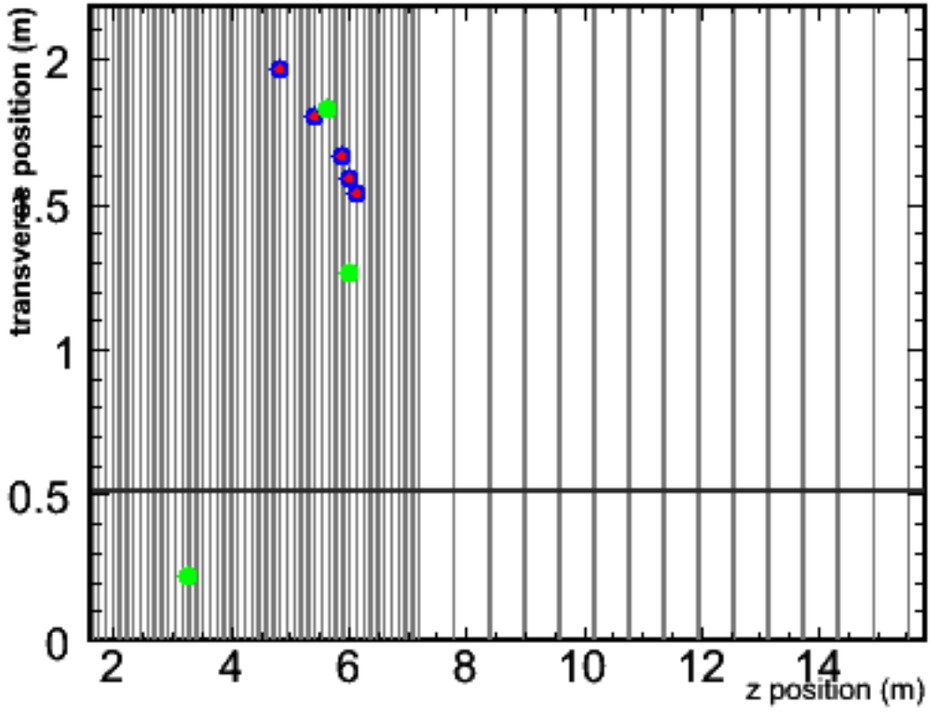
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

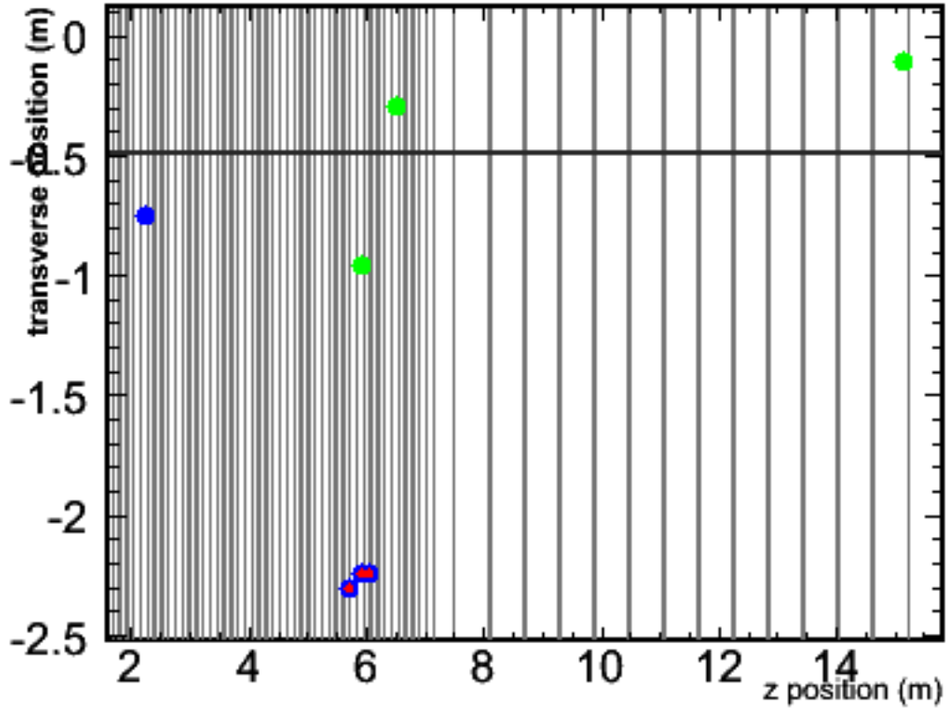
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- initial ν
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 7(/11), Event 5(/9)

Reco

#Trks: 1

#Shws: 2

q/p: -0.192 +/- 0.013, p/q: -5.206

TrkRangeEnergy: 5.756 RecoShwEnergy: 1.165

Vtx: 1.36, -0.83, 2.25

Truth

N/A

N/A

N/A

N/A

N/A

N/A

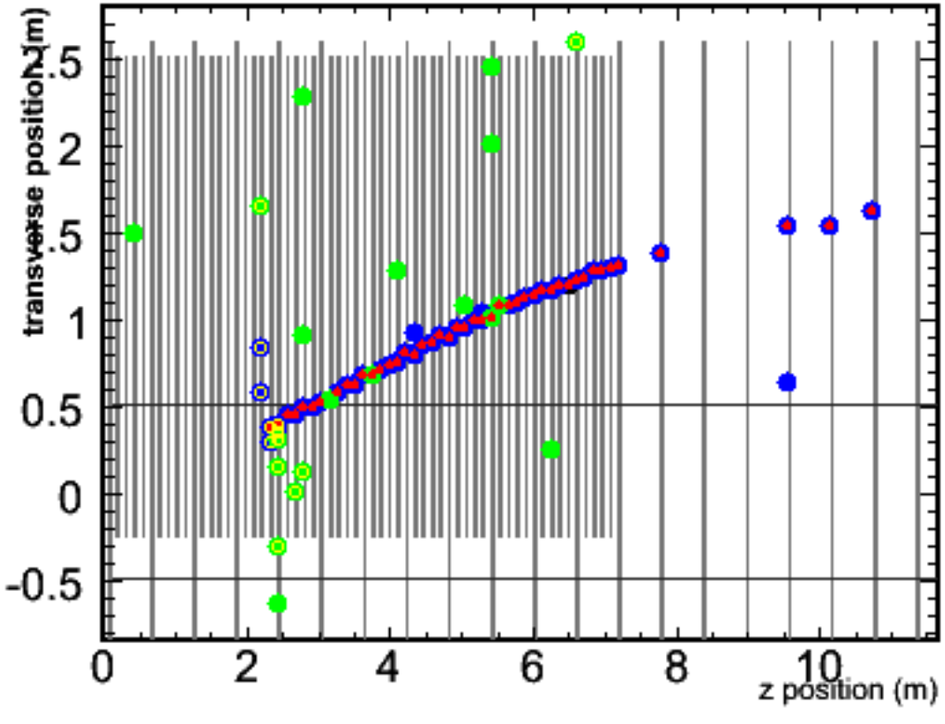
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

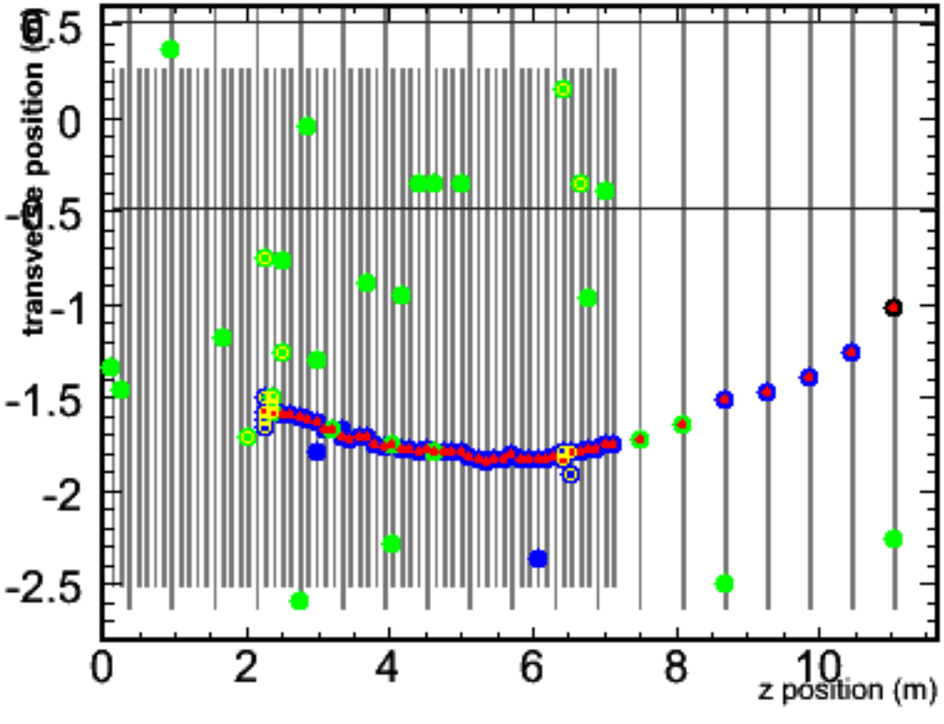
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 8(/11), Event 6(/9)

Reco

#Trks: 1

#Shws: 1

q/p: -0.271 +/- 0.030, p/q: -3.689

TrkRangeEnergy: 5.429 RecoShwEnergy: 0.386

Vtx: 0.31, -0.01, 4.45

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

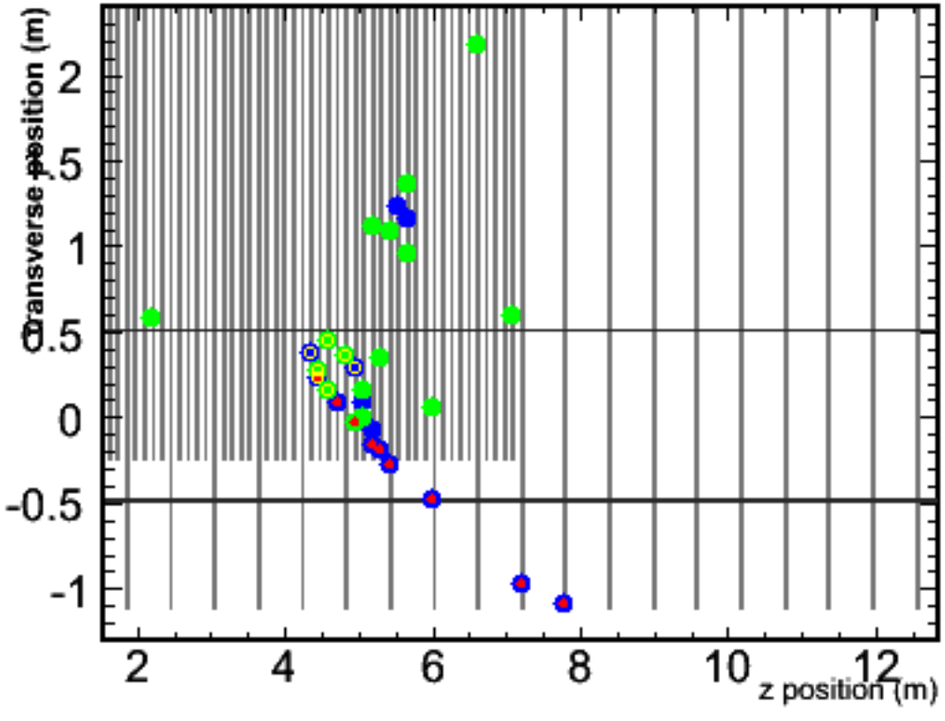
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

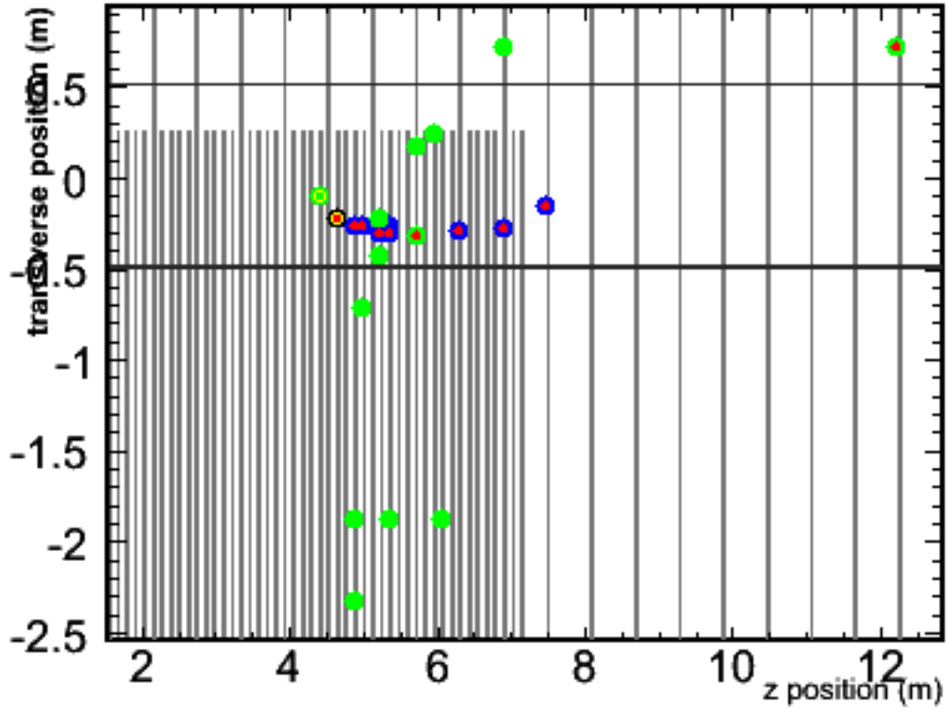
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 9(/11), Event 7(/9)

Reco

#Trks: 1

#Shws: 1

q/p: 0.393 +/- 0.054, p/q: 2.546

TrkRangeEnergy: 2.189 RecoShwEnergy: 5.107

Vtx: 1.50, -0.53, 4.69

Truth

N/A

N/A

N/A

N/A

N/A

N/A

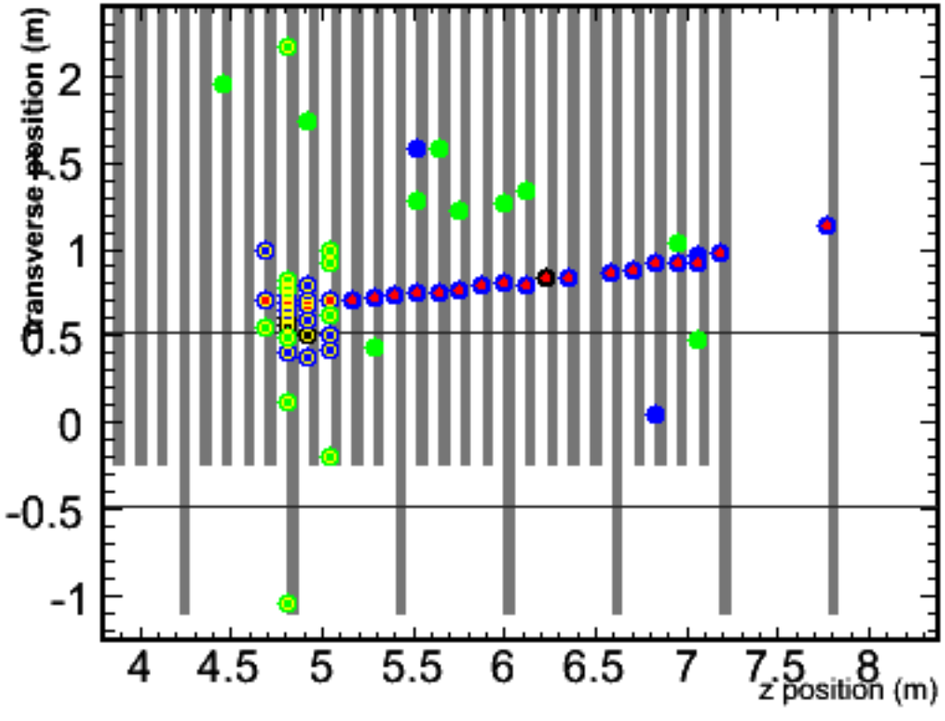
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

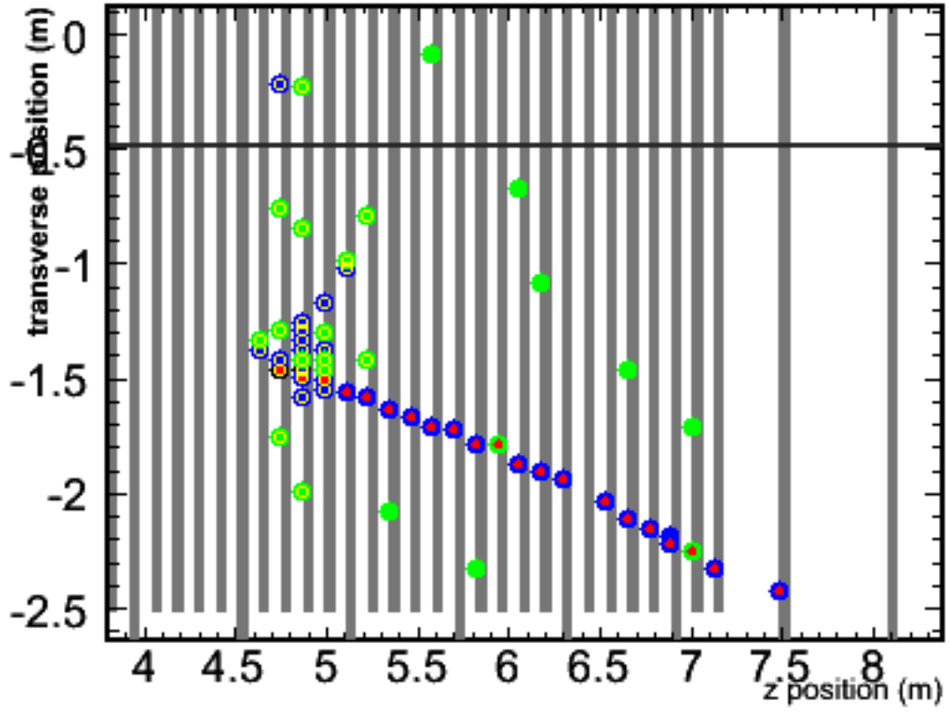
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 10(/11), Event 8(/9)

Reco

#Trks: 1

#Shws: 1

q/p: 0.166 +/- 0.028, p/q: 6.031

TrkRangeEnergy: 4.558 RecoShwEnergy: 3.834

Vtx: 2.35, -0.85, 5.04

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

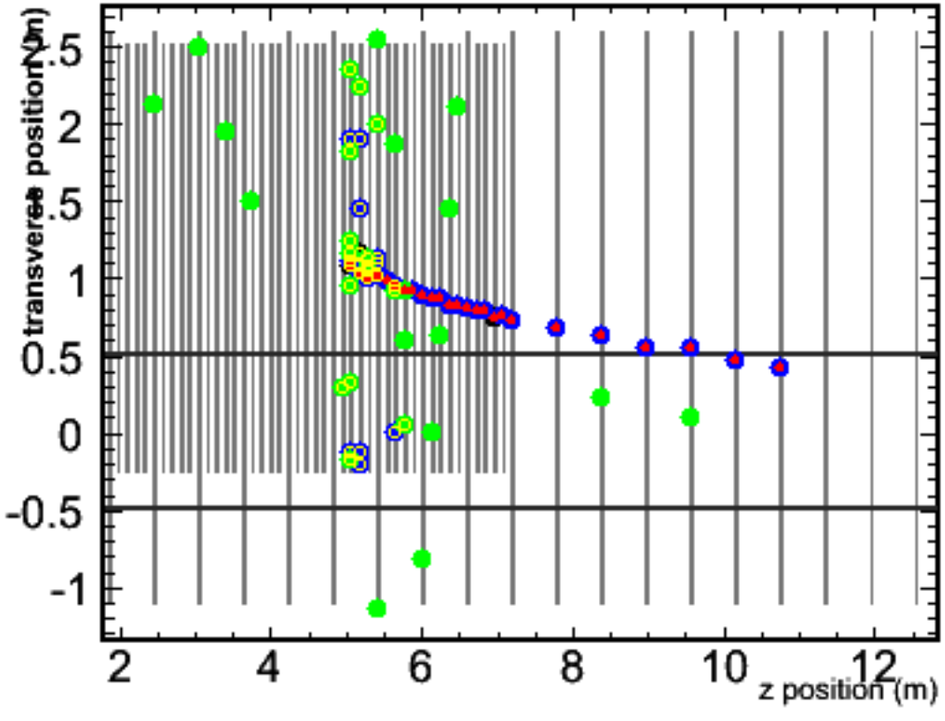
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

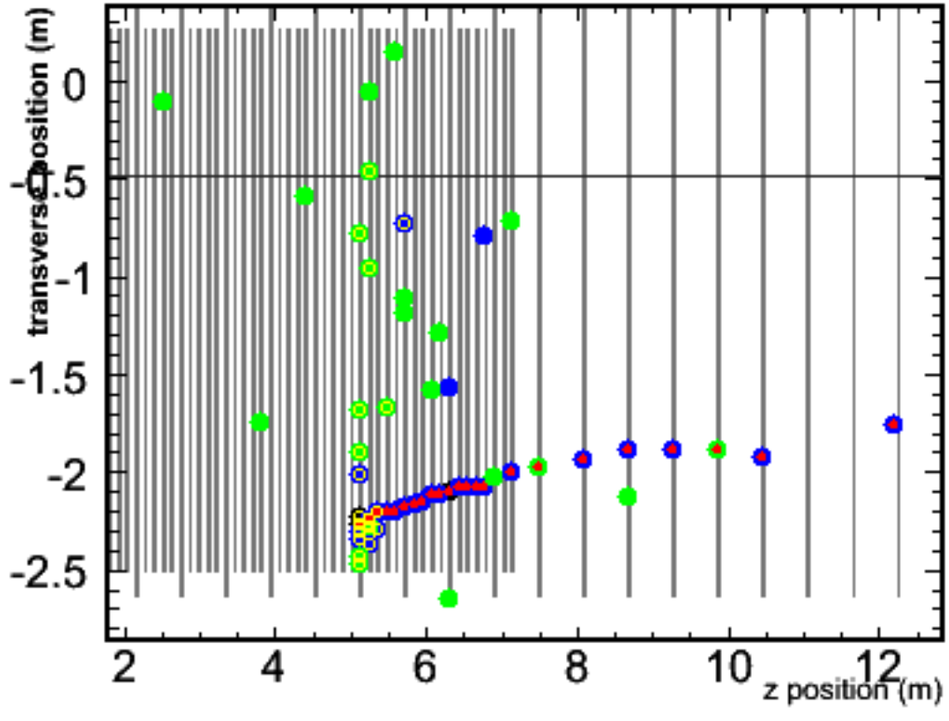
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947338, Slice: 11(/11), Event 9(/9)

Reco

#Trks: 1

#Shws: 3

q/p: -0.085 +/- 0.005, p/q: -11.702

TrkRangeEnergy: 9.533 RecoShwEnergy: 1.827

Vtx: 1.64, -0.57, 2.01

Truth

N/A

N/A

N/A

N/A

N/A

N/A

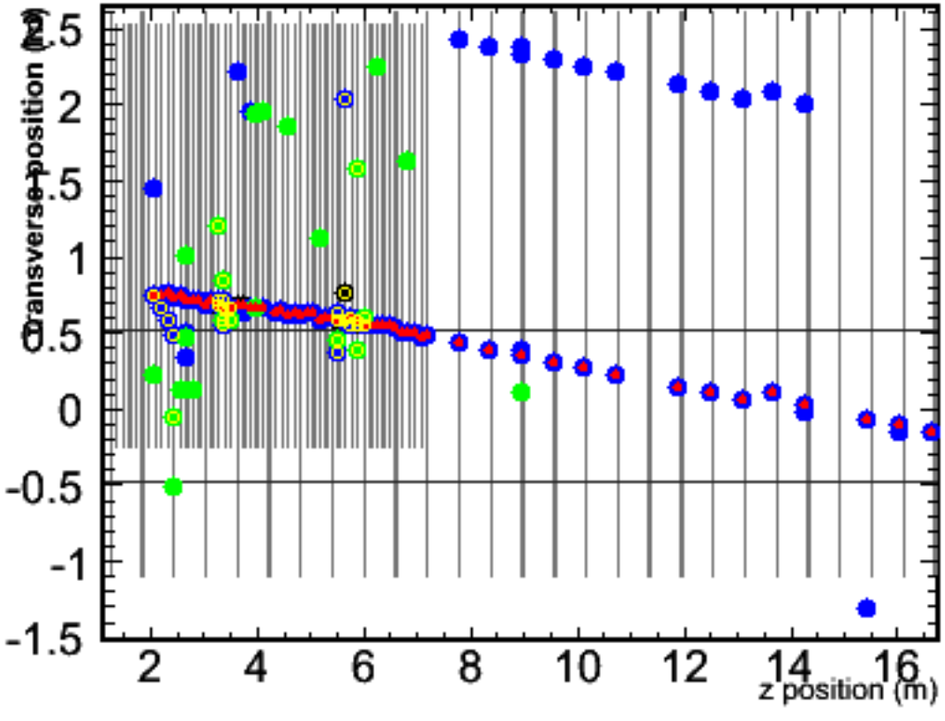
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

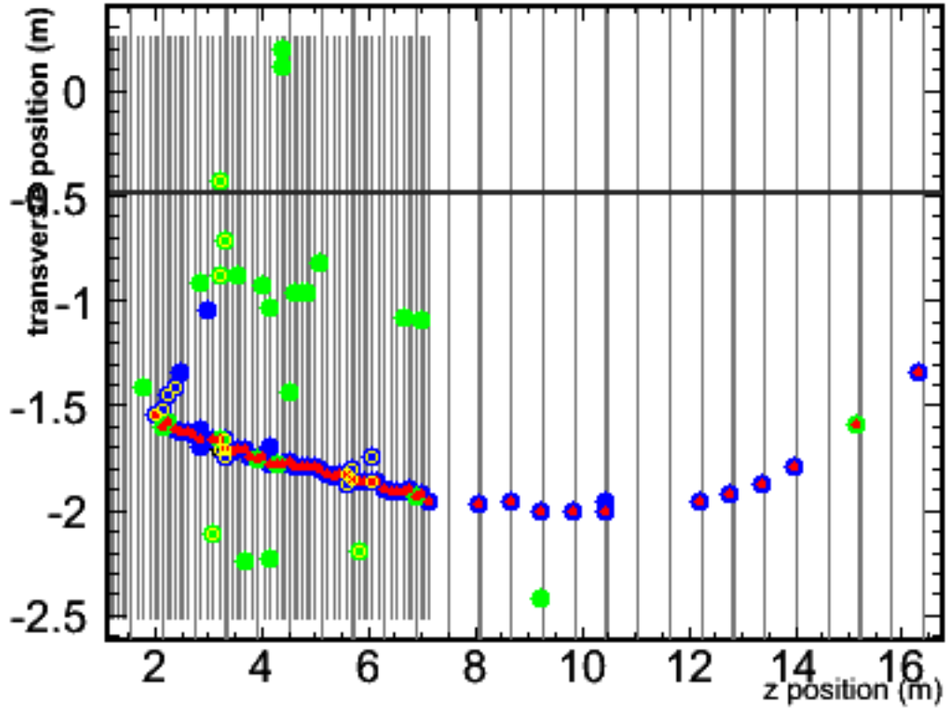
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 1(/6), Event 1(/5)

Reco

#Trks: 1

#Shws: 0

q/p: -2.137 +/- 0.344, p/q: -0.468

TrkRangeEnergy: 0.756 RecoShwEnergy: 0.000

Vtx: 2.76, 0.32, 3.62

Truth

N/A

N/A

N/A

N/A

N/A

N/A

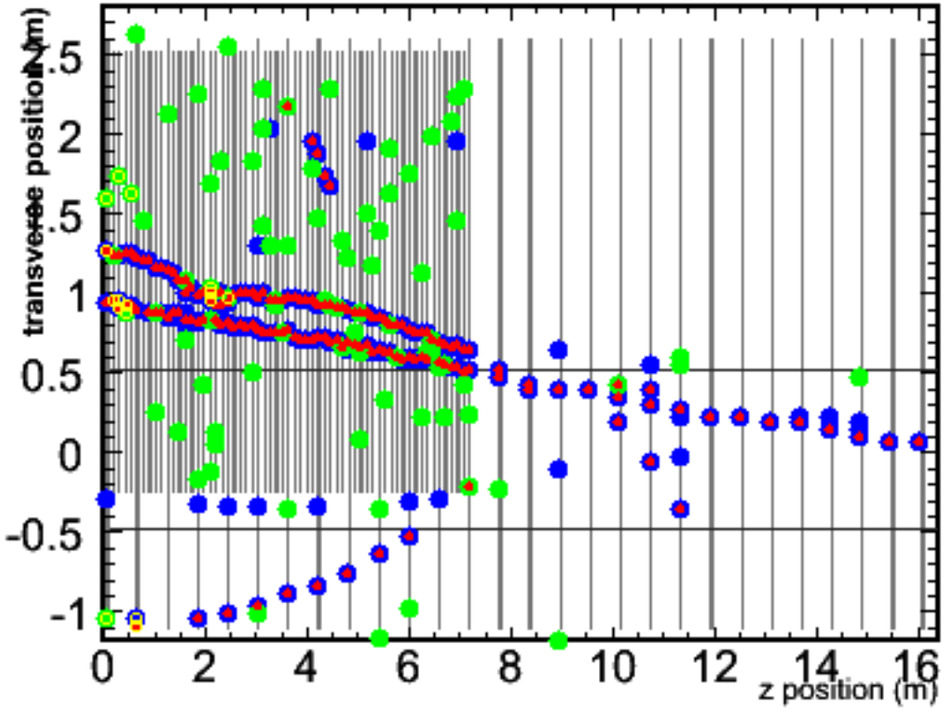
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

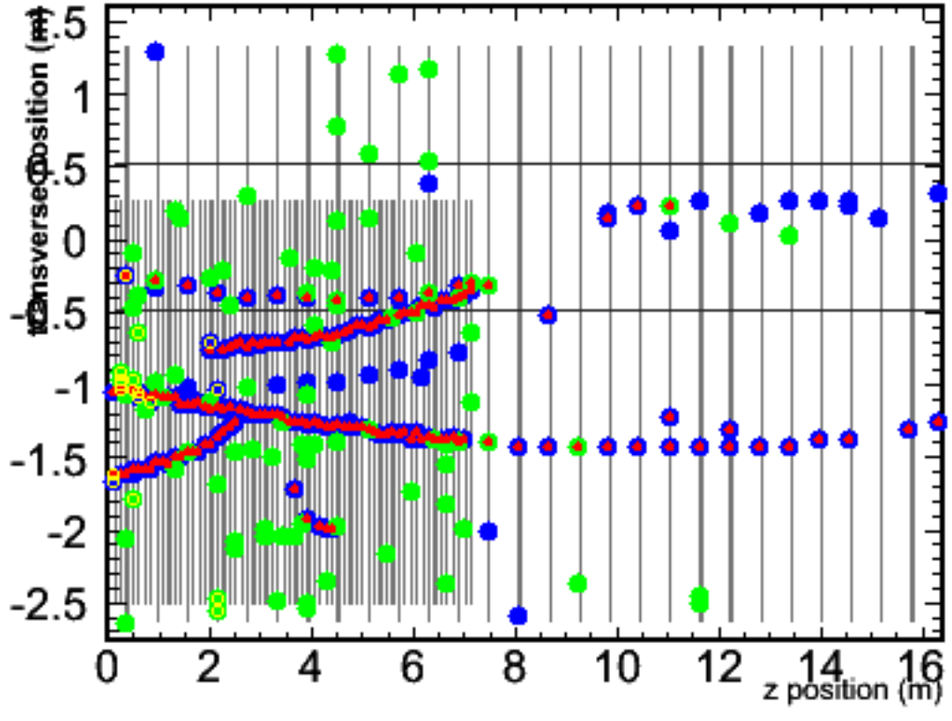
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 1(/6), Event 1(/5)

Reco

#Trks: 1

#Shws: 0

q/p: -2.137 +/- 0.344, p/q: -0.468

TrkRangeEnergy: 0.756 RecoShwEnergy: 0.000

Vtx: 2.76, 0.32, 3.62

Truth

N/A

N/A

N/A

N/A

N/A

N/A

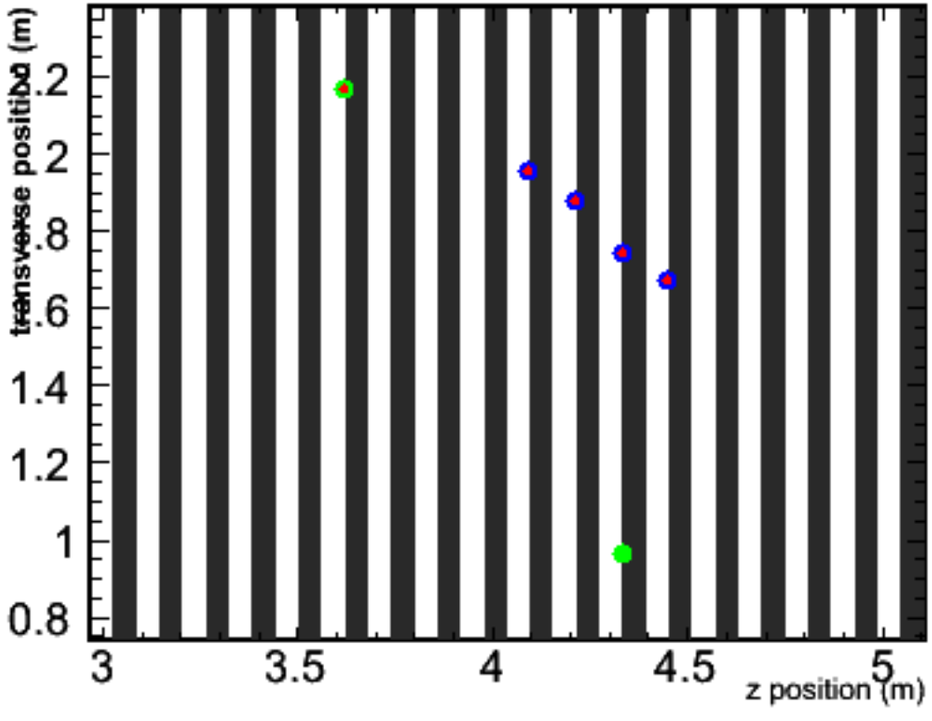
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

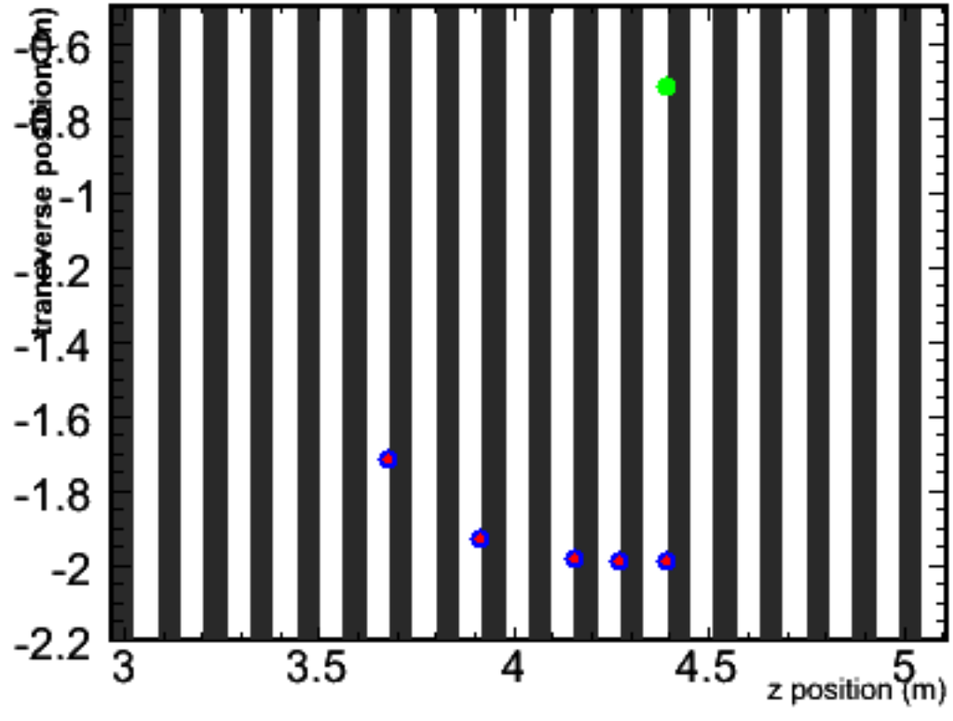
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 2(/6), Event 2(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.518 +/- 0.075, p/q: -1.930

TrkRangeEnergy: 1.628 RecoShwEnergy: 0.206

Vtx: 2.05, -0.25, 0.05

Truth

N/A

N/A

N/A

N/A

N/A

N/A

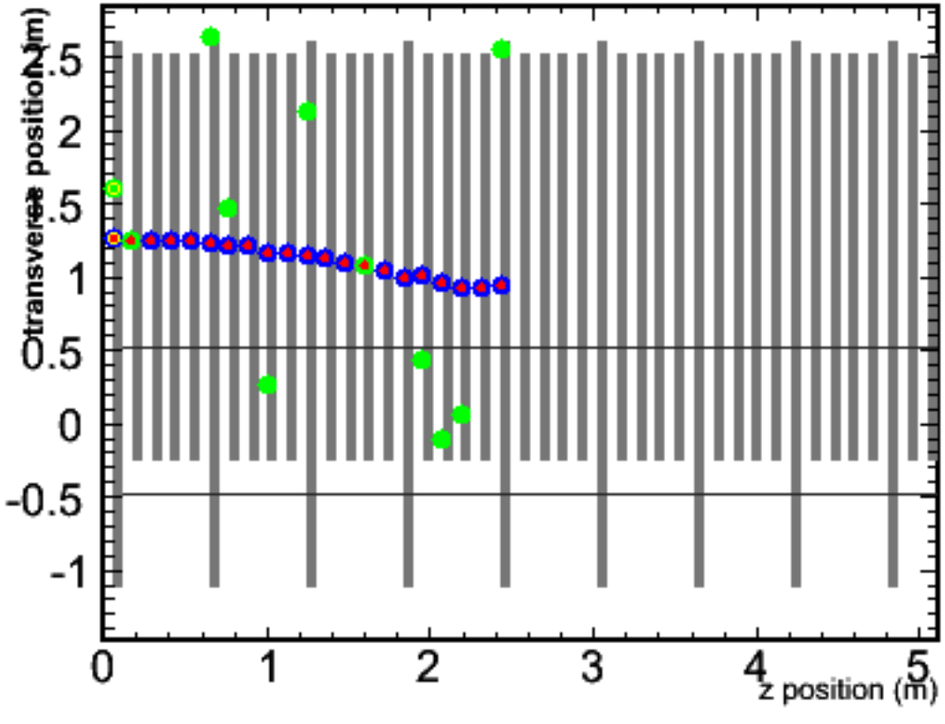
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

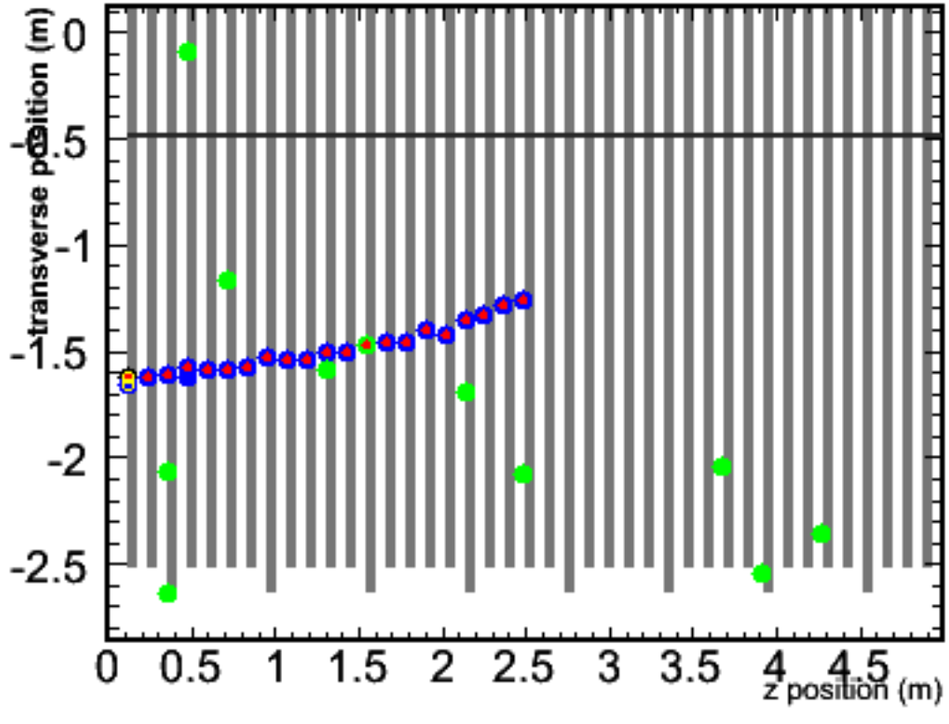
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 4(/6), Event 3(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -2.137 +/- 0.344, p/q: -0.468

TrkRangeEnergy: 0.756 RecoShwEnergy: 0.396

Vtx: 2.76, 0.32, 3.62

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

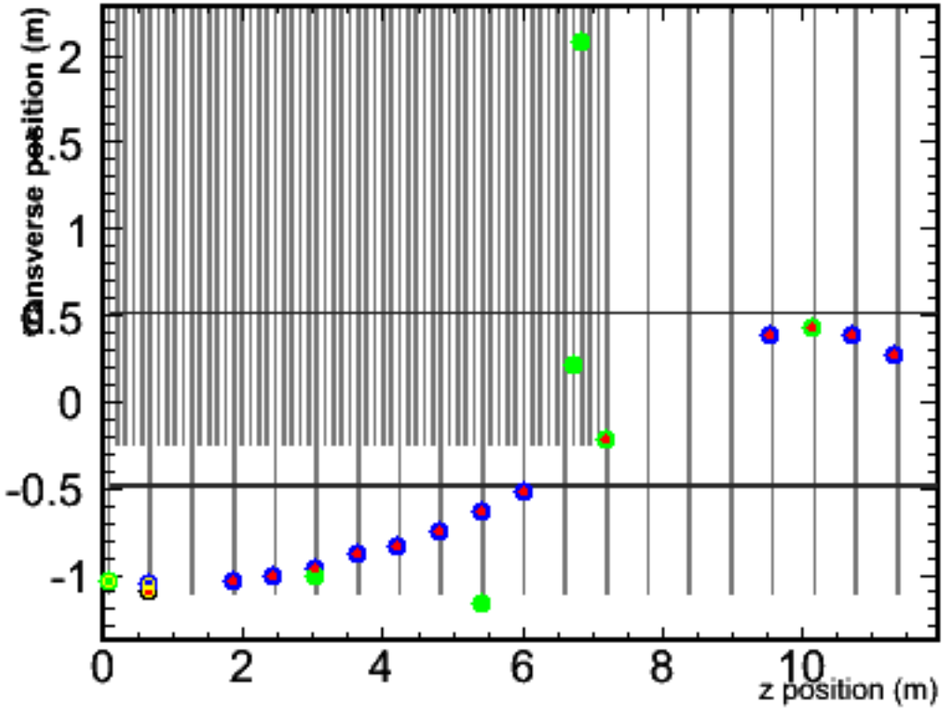
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

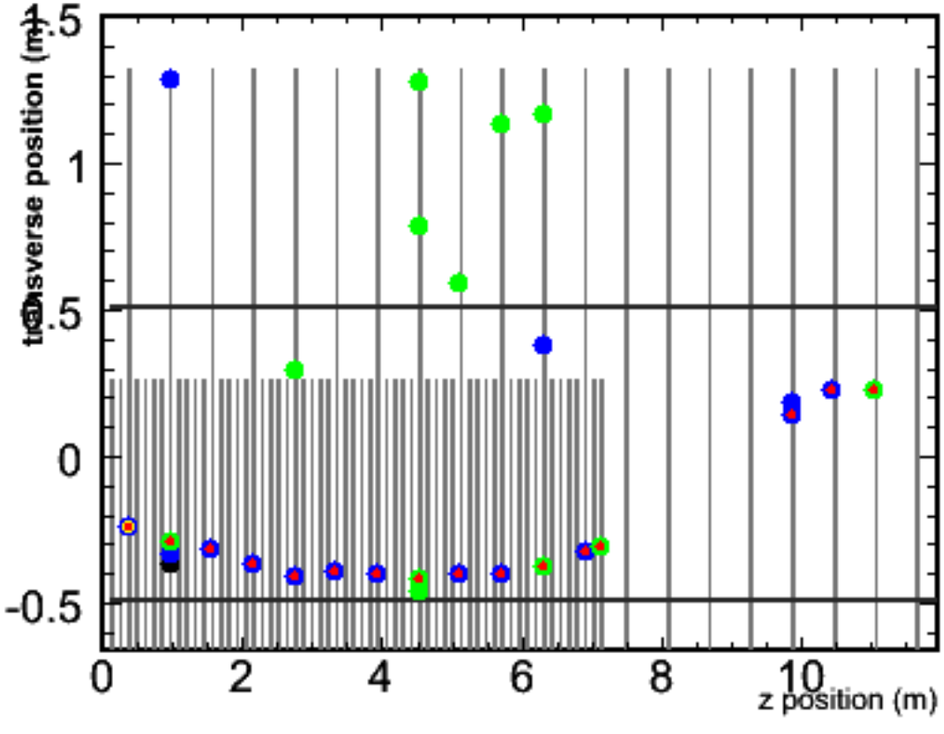
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 5(/6), Event 4(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.041 +/- 0.004, p/q: -24.543

TrkRangeEnergy: 10.886 RecoShwEnergy: 0.856

Vtx: 1.39, -0.06, 0.05

Truth

N/A

N/A

N/A

N/A

N/A

N/A

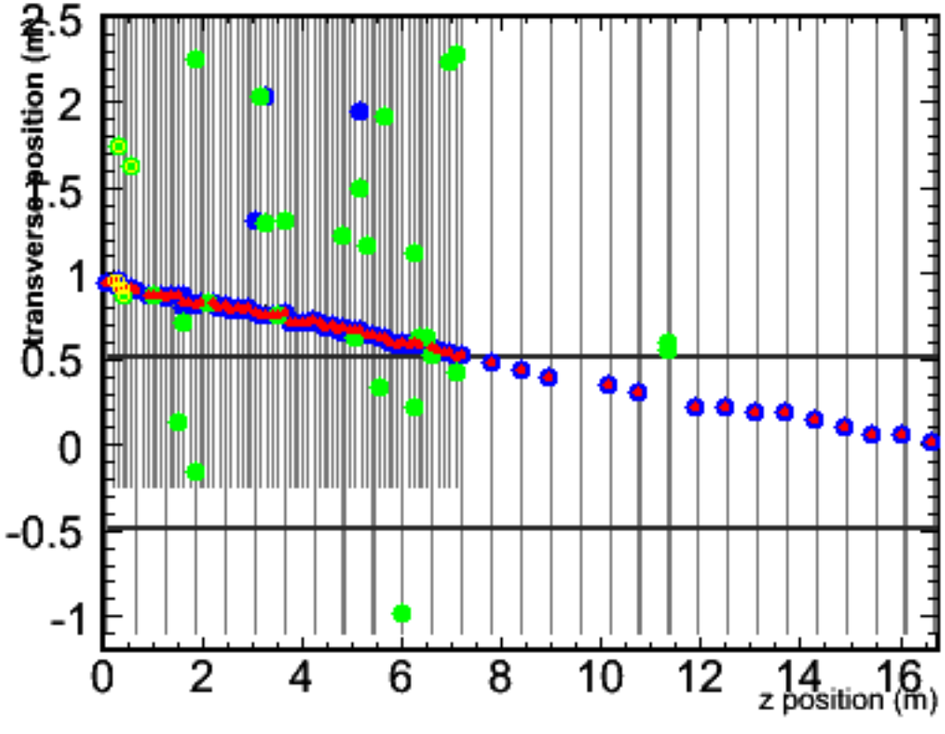
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

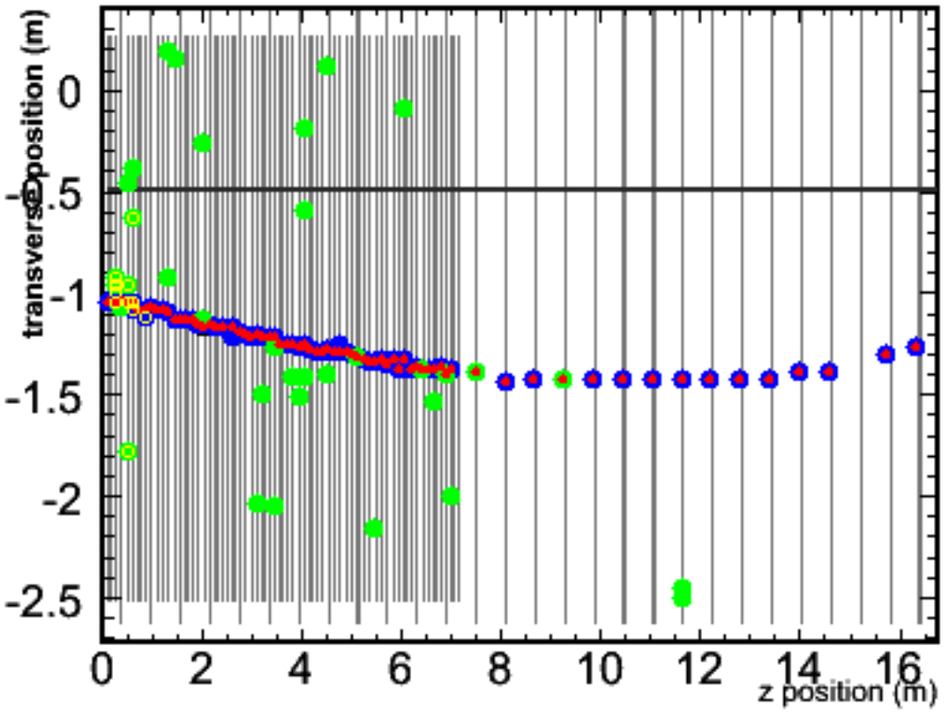
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- initial ν
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947503, Slice: 6(/6), Event 5(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -2.137 +/- 0.344, p/q: -0.468

TrkRangeEnergy: 0.756 RecoShwEnergy: 0.252

Vtx: 2.76, 0.32, 3.62

Truth

N/A

N/A

N/A

N/A

N/A

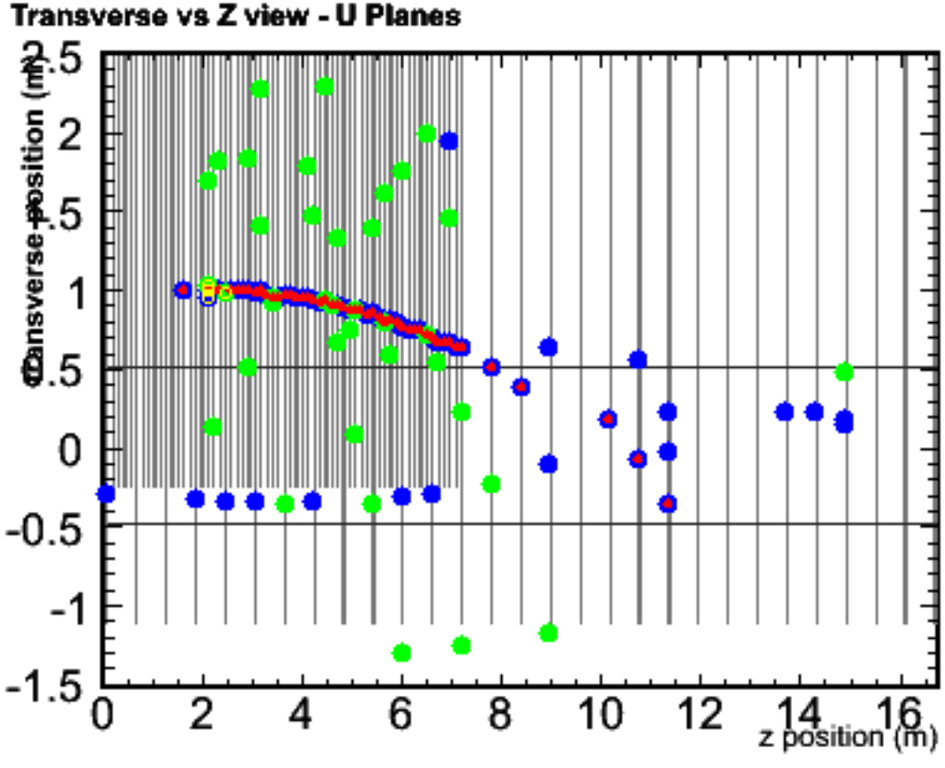
N/A

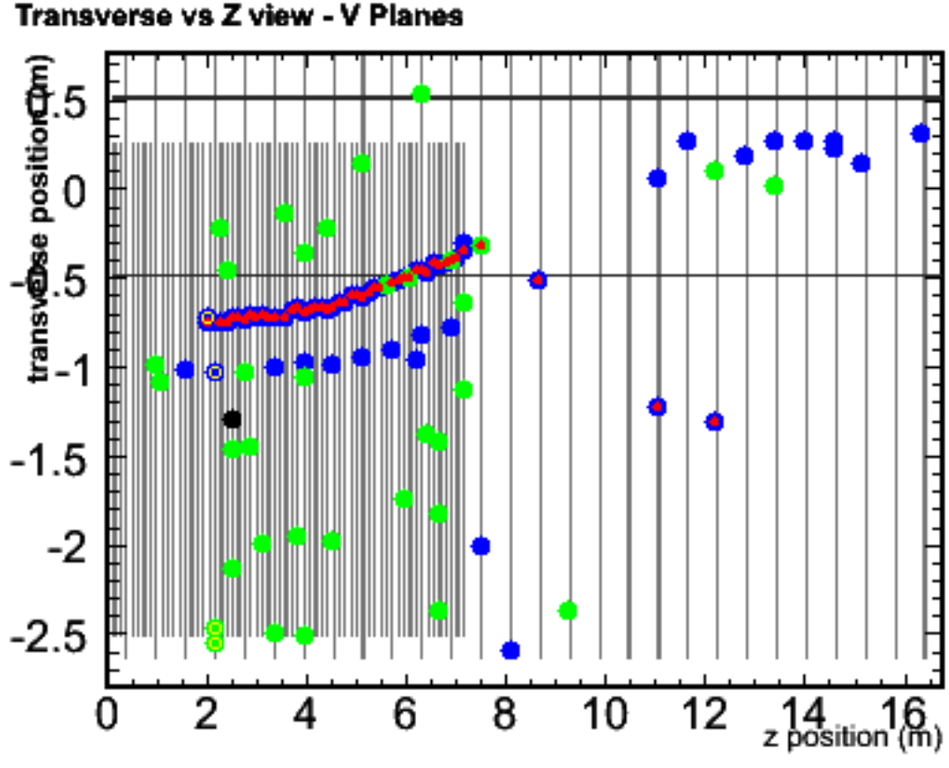
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν





Run: 8460, Snarl: 947833, Slice: 2(/7), Event 1(/7)

Reco

#Trks: 1

#Shws: 1

q/p: -0.281 +/- 0.010, p/q: -3.555

TrkRangeEnergy: 3.719 RecoShwEnergy: 22.405

Vtx: 0.38, 0.05, 0.94

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

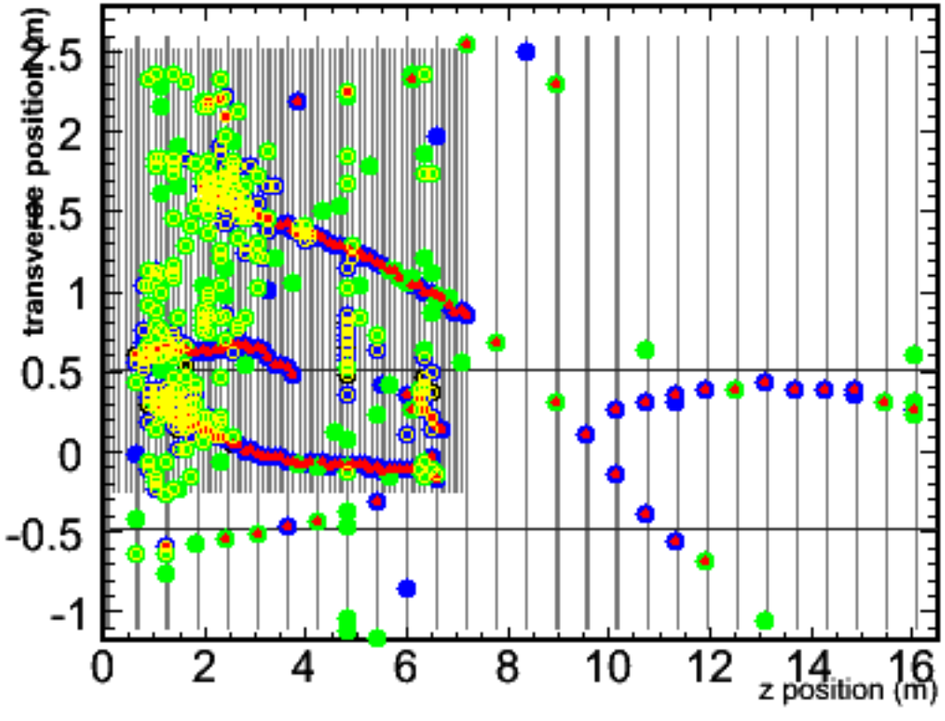
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

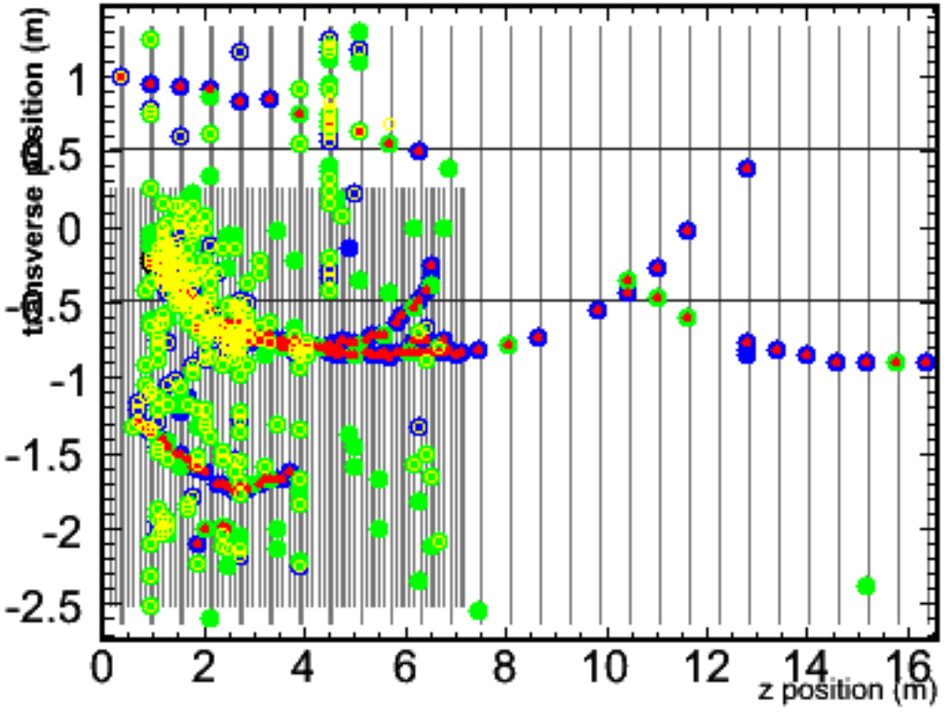
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 2(/7), Event 1(/7)

Reco

#Trks: 1

#Shws: 1

q/p: -0.281 +/- 0.010, p/q: -3.555

TrkRangeEnergy: 3.719 RecoShwEnergy: 22.405

Vtx: 0.38, 0.05, 0.94

Truth

N/A

N/A

N/A

N/A

N/A

N/A

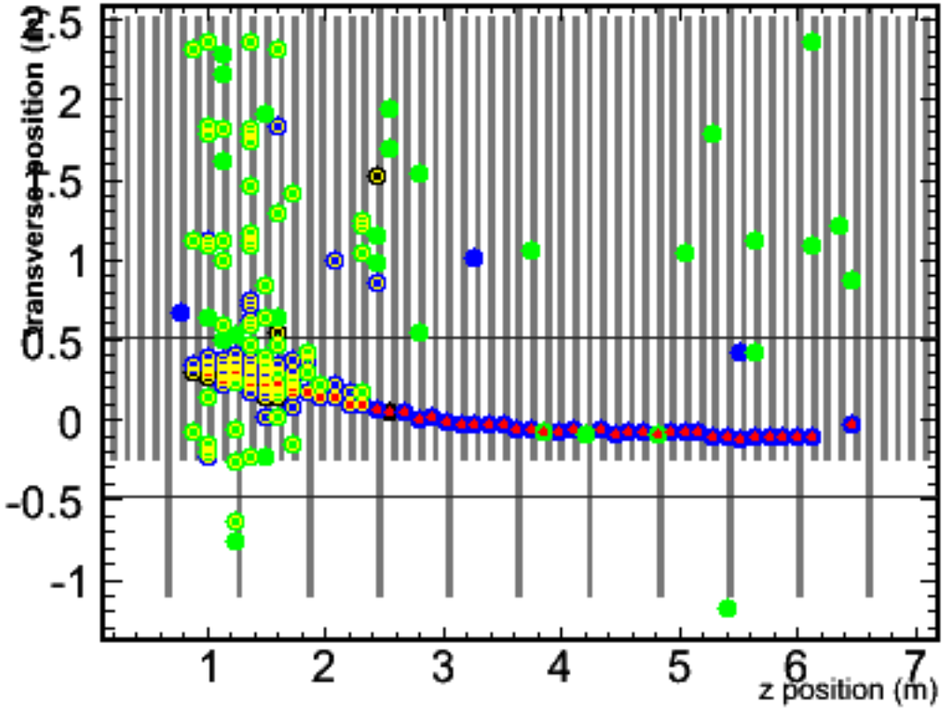
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

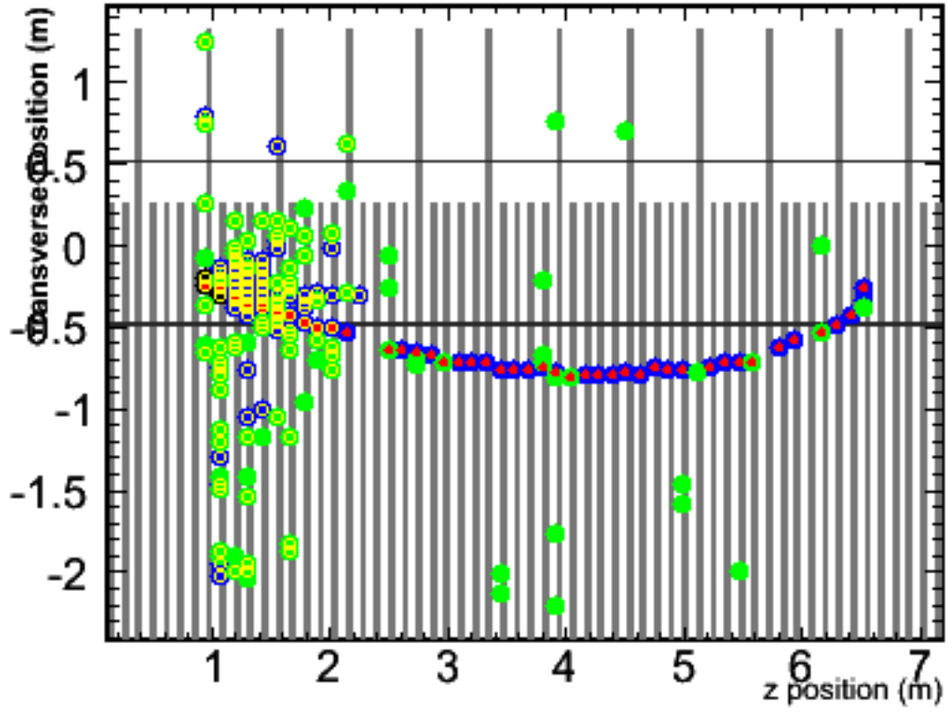
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 3(/7), Event 2(/7)

Reco

#Trks: 1

#Shws: 1

q/p: -1.084 +/- 0.325, p/q: -0.922

TrkRangeEnergy: 0.599 RecoShwEnergy: 2.471

Vtx: 0.76, -0.28, 5.99

Truth

N/A

N/A

N/A

N/A

N/A

N/A

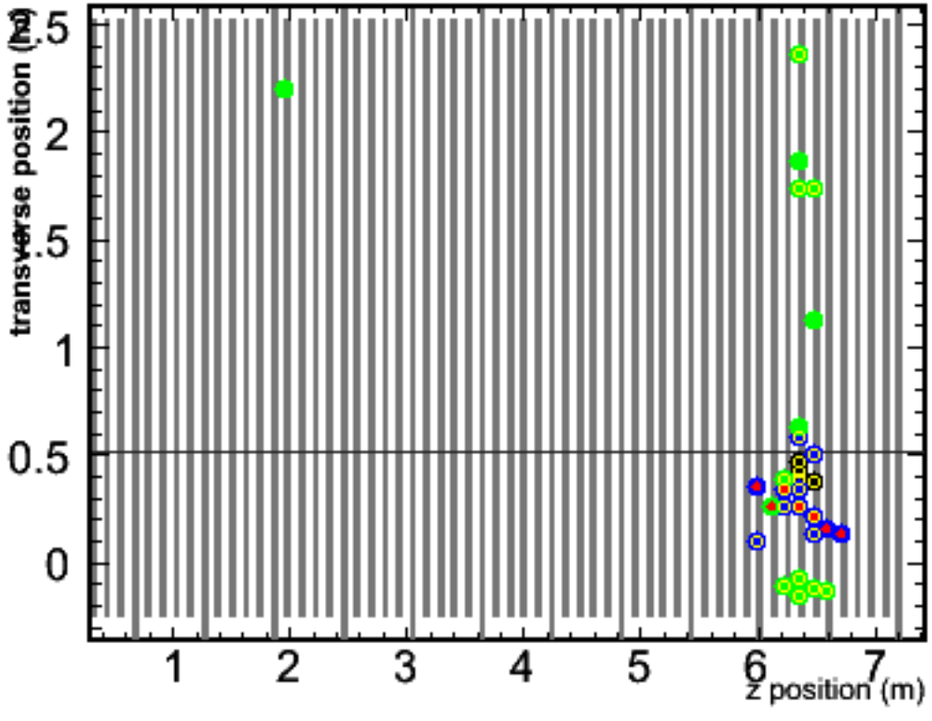
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

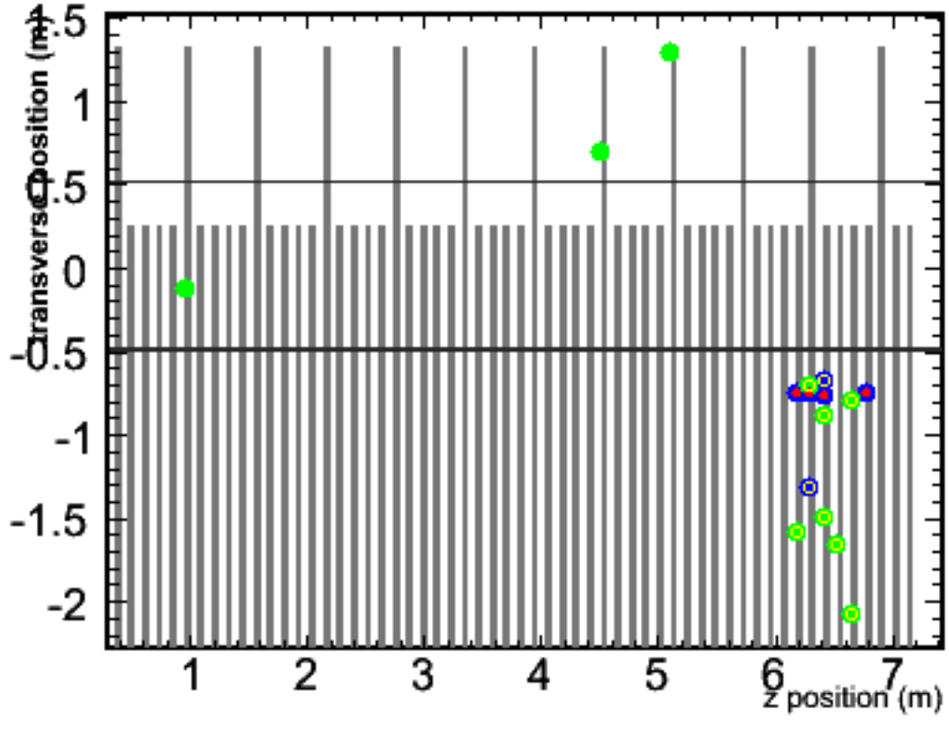
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 4(/7), Event 3(/7)

Reco

#Trks: 1

#Shws: 1

q/p: -0.510 +/- 0.034, p/q: -1.962

TrkRangeEnergy: 2.043 RecoShwEnergy: 4.425

Vtx: 1.32, -0.47, 0.65

Truth

N/A

N/A

N/A

N/A

N/A

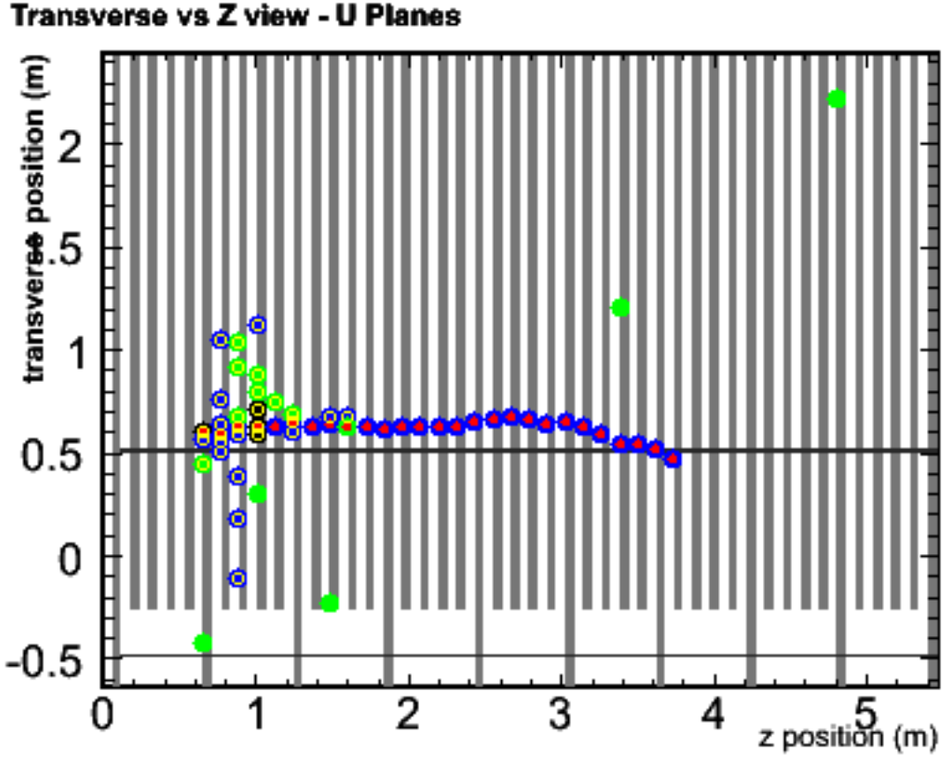
N/A

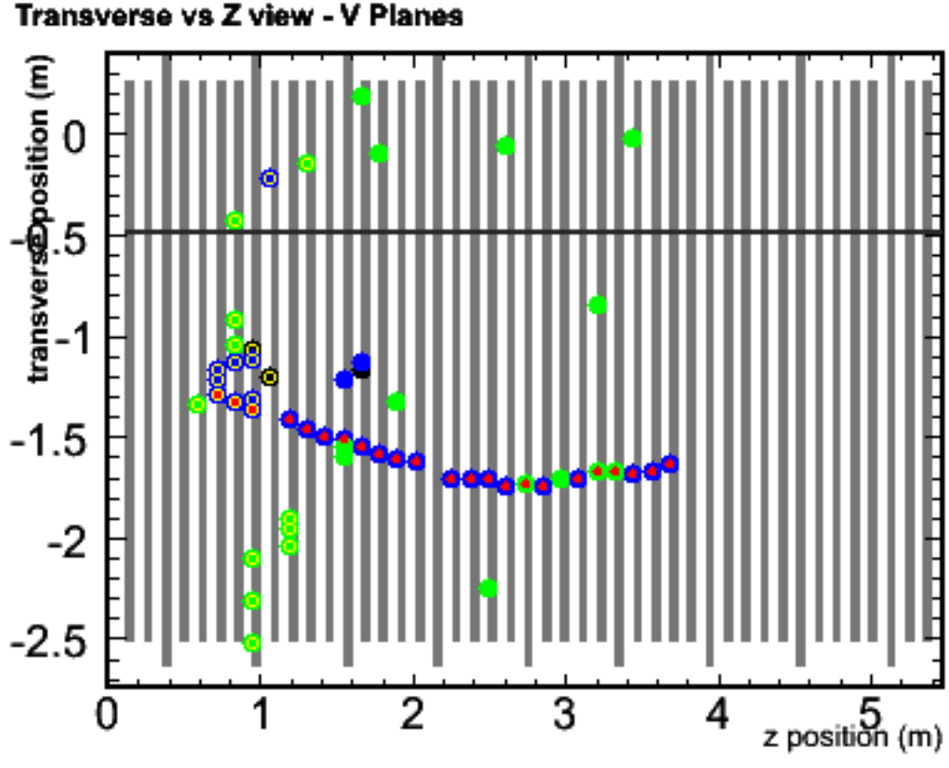
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν





Run: 8460, Snarl: 947833, Slice: 5(/7), Event 4(/7)

Reco

#Trks: 0

#Shws: 1

q/p: 0.000 +/- 0.000, p/q: 0.000

TrkRangeEnergy: 0.000 RecoShwEnergy: 8.963

Vtx: 0.00, 0.00, 0.00

Truth

N/A

N/A

N/A

N/A

N/A

N/A

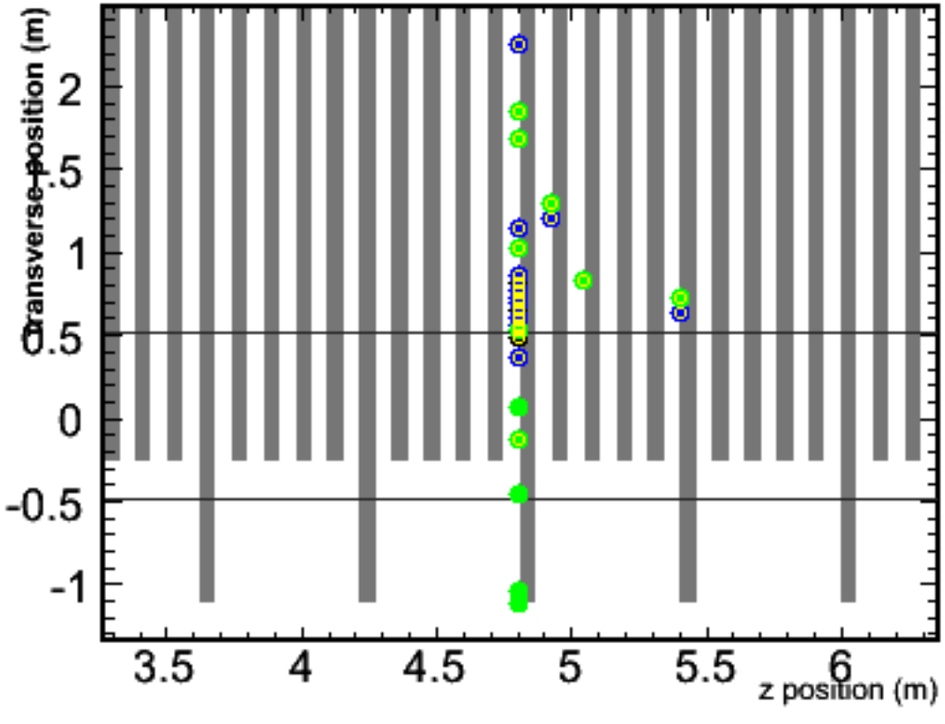
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

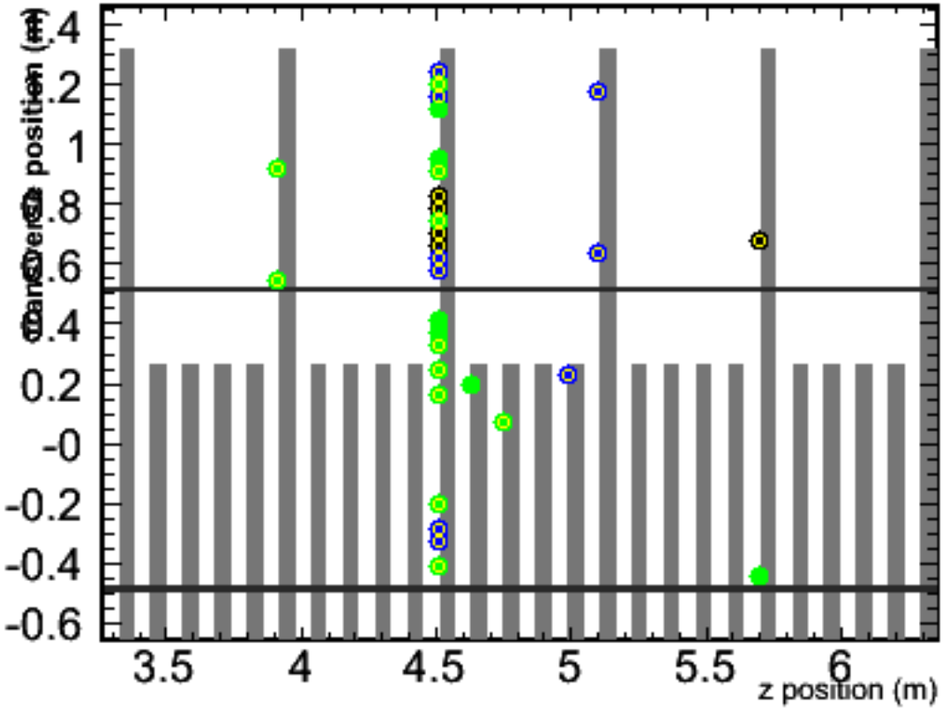
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 6(/7), Event 5(/7)

Reco

#Trks: 1

#Shws: 1

q/p: -0.087 +/- 0.006, p/q: -11.497

TrkRangeEnergy: 10.787 RecoShwEnergy: 0.008

Vtx: -1.14, 0.26, 0.35

Truth

N/A

N/A

N/A

N/A

N/A

N/A

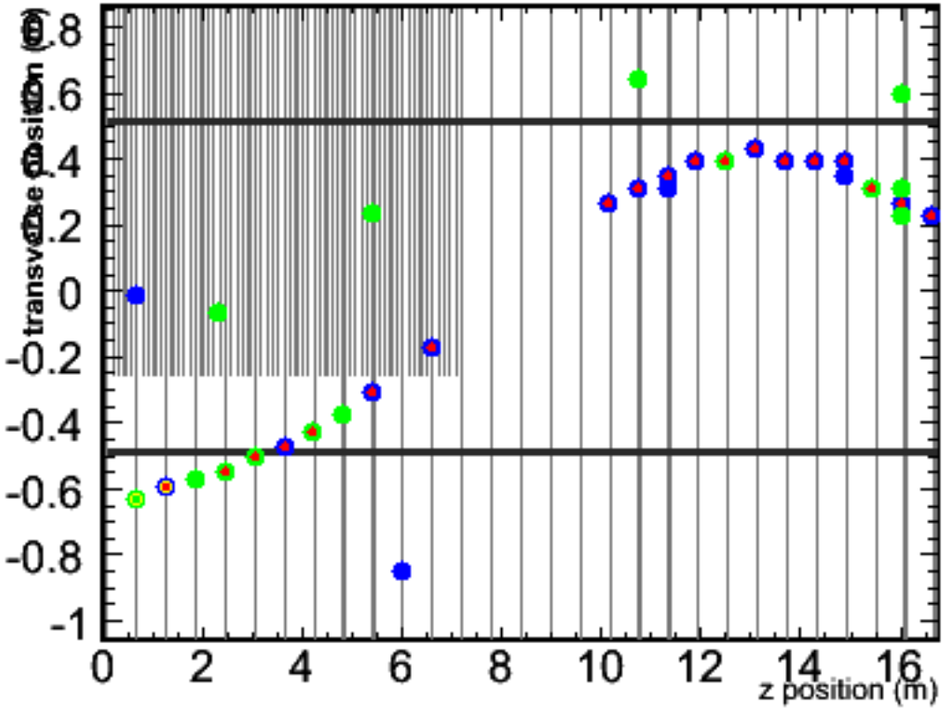
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

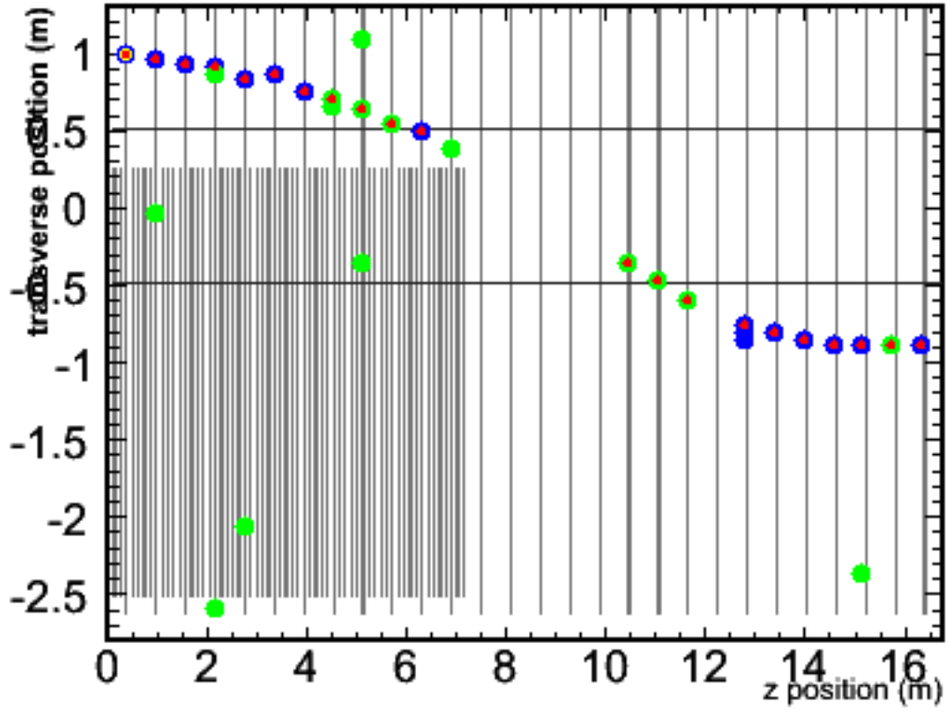
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 7(/7), Event 6(/7)

Reco

#Trks: 1

#Shws: 2

q/p: -0.281 +/- 0.010, p/q: -3.555

TrkRangeEnergy: 3.719 RecoShwEnergy: 17.041

Vtx: 0.38, 0.05, 0.94

Truth

N/A

N/A

N/A

N/A

N/A

N/A

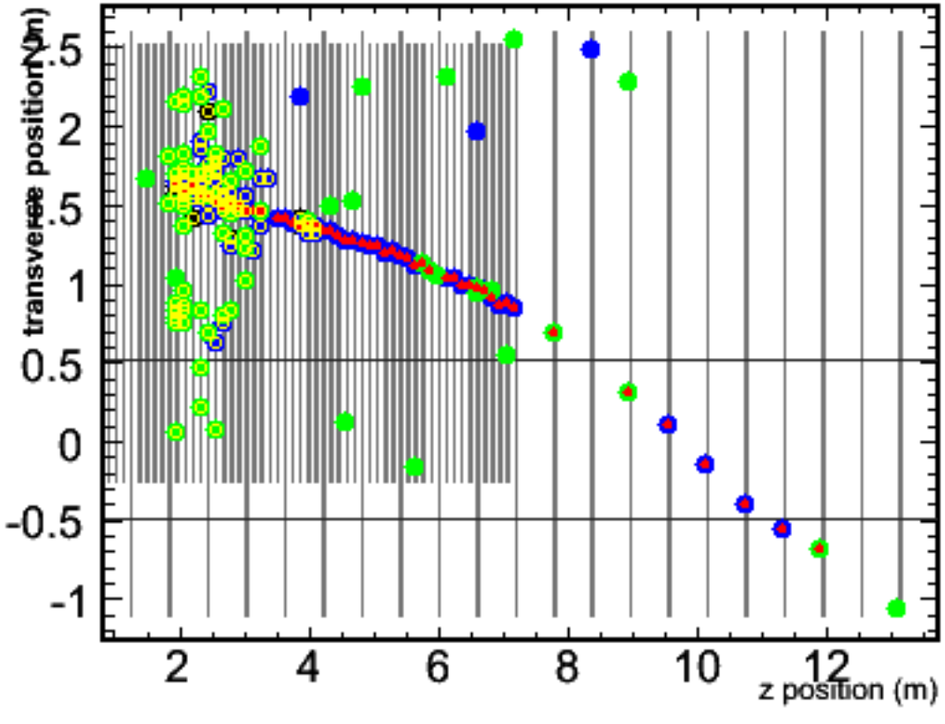
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

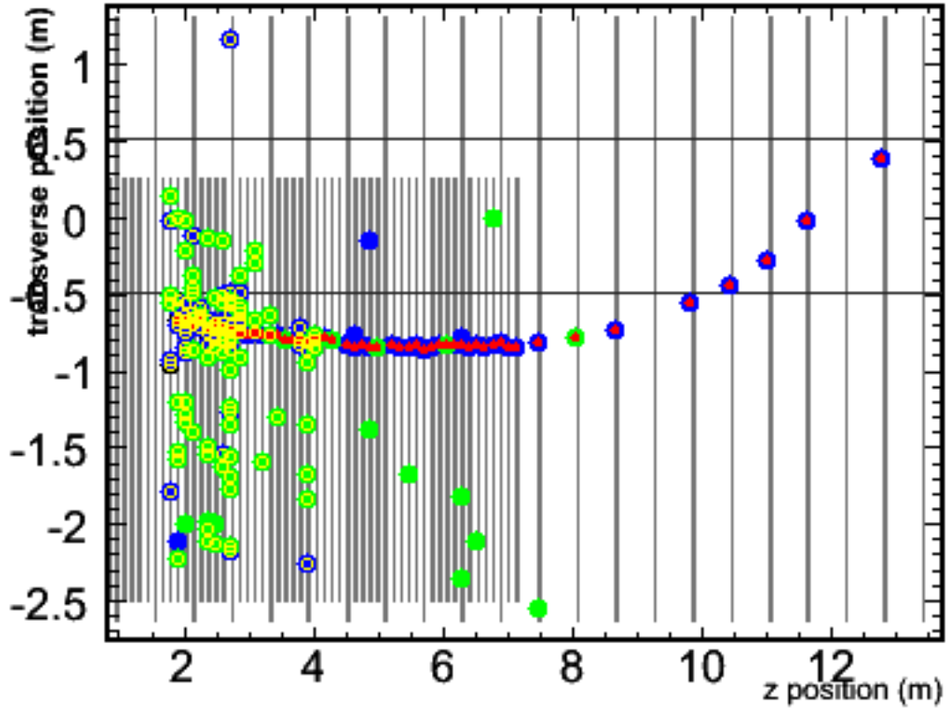
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 947833, Slice: 7(/7), Event 7(/7)

Reco

#Trks: 1

#Shws: 0

q/p: -0.281 +/- 0.010, p/q: -3.555

TrkRangeEnergy: 3.719 RecoShwEnergy: 0.000

Vtx: 0.38, 0.05, 0.94

Truth

N/A

N/A

N/A

N/A

N/A

N/A

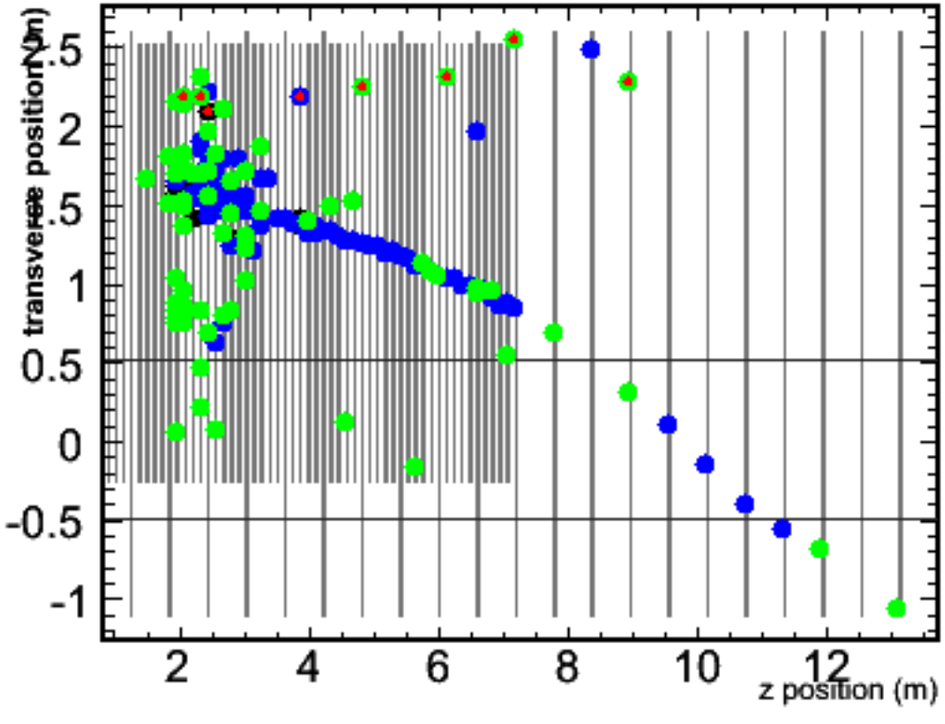
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

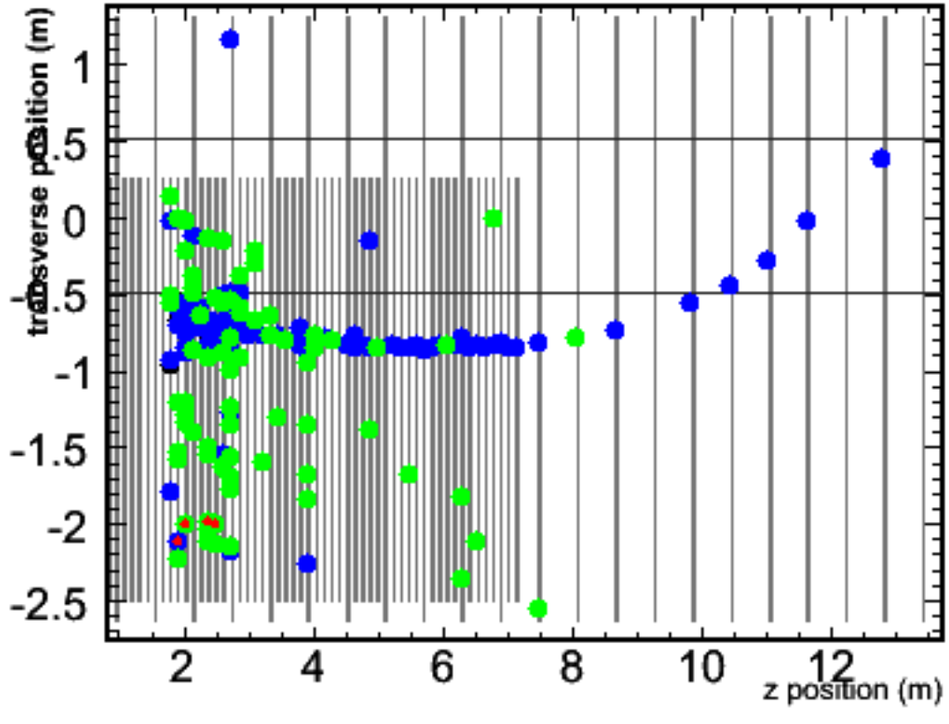
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- initial ν
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 1(/7), Event 1(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -1.800 +/- 0.153, p/q: -0.555

TrkRangeEnergy: 0.589 RecoShwEnergy: 3.684

Vtx: 0.90, -0.50, 2.85

Truth

N/A

N/A

N/A

N/A

N/A

N/A

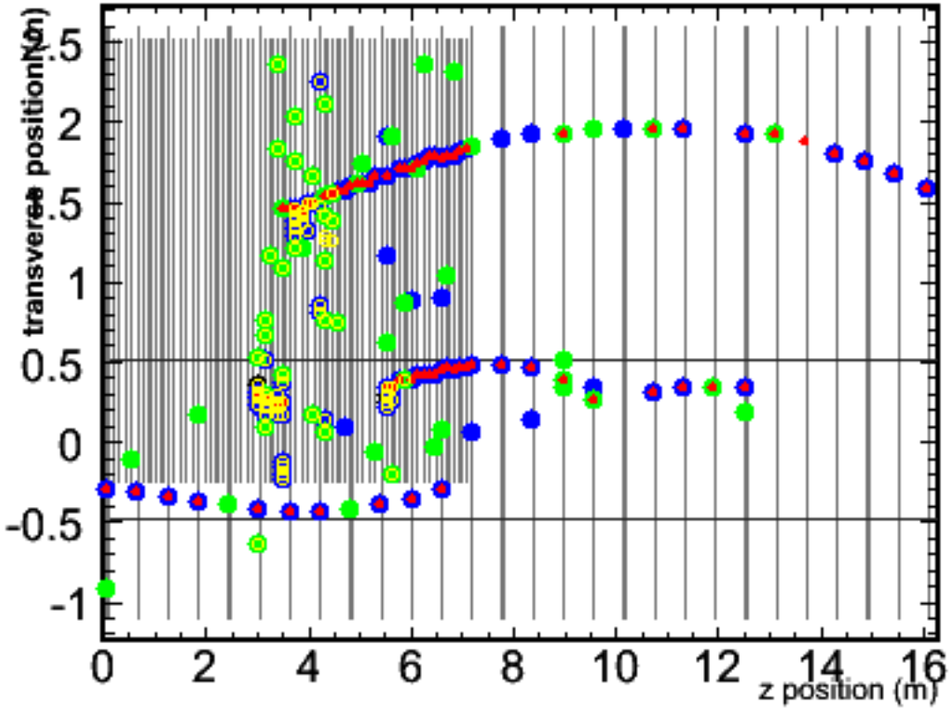
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

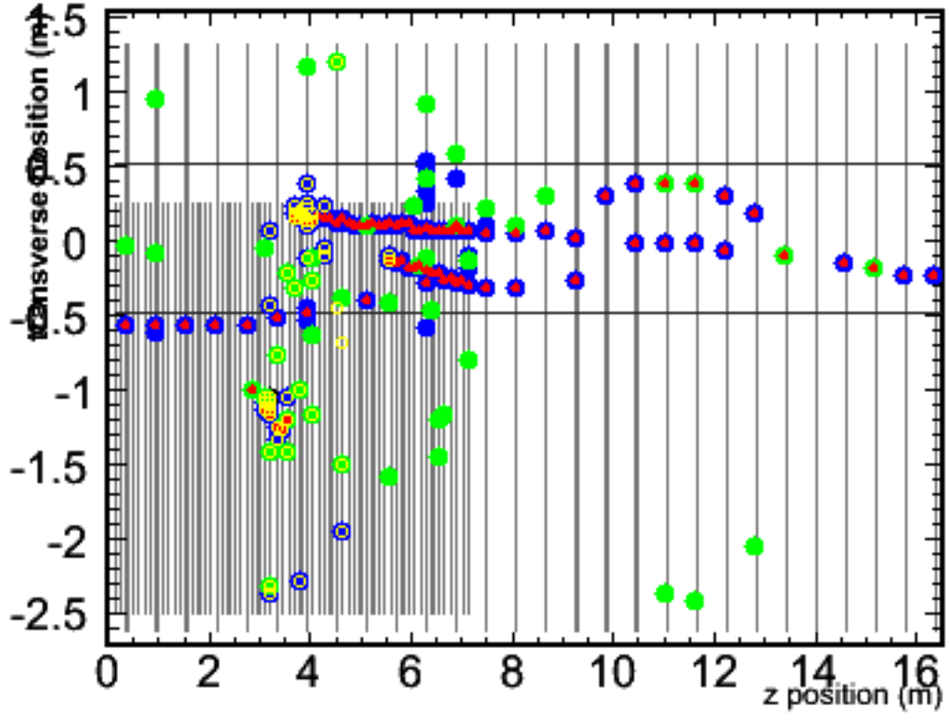
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 1(/7), Event 1(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -1.800 +/- 0.153, p/q: -0.555

TrkRangeEnergy: 0.589 RecoShwEnergy: 3.684

Vtx: 0.90, -0.50, 2.85

Truth

N/A

N/A

N/A

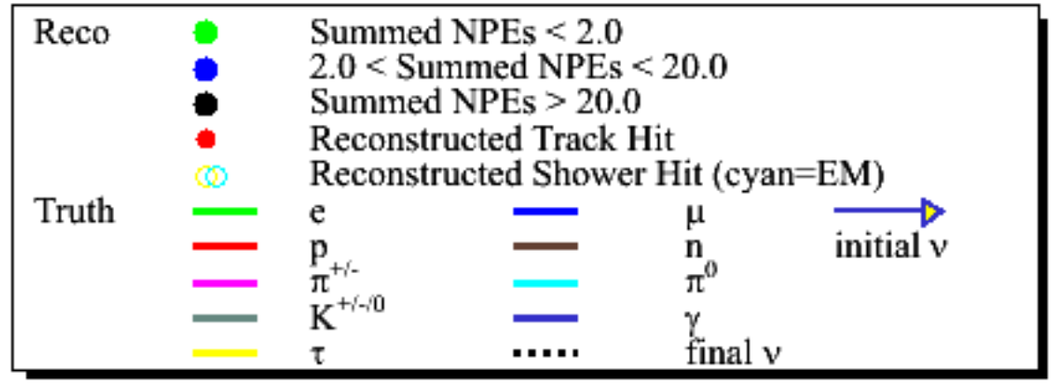
N/A

N/A

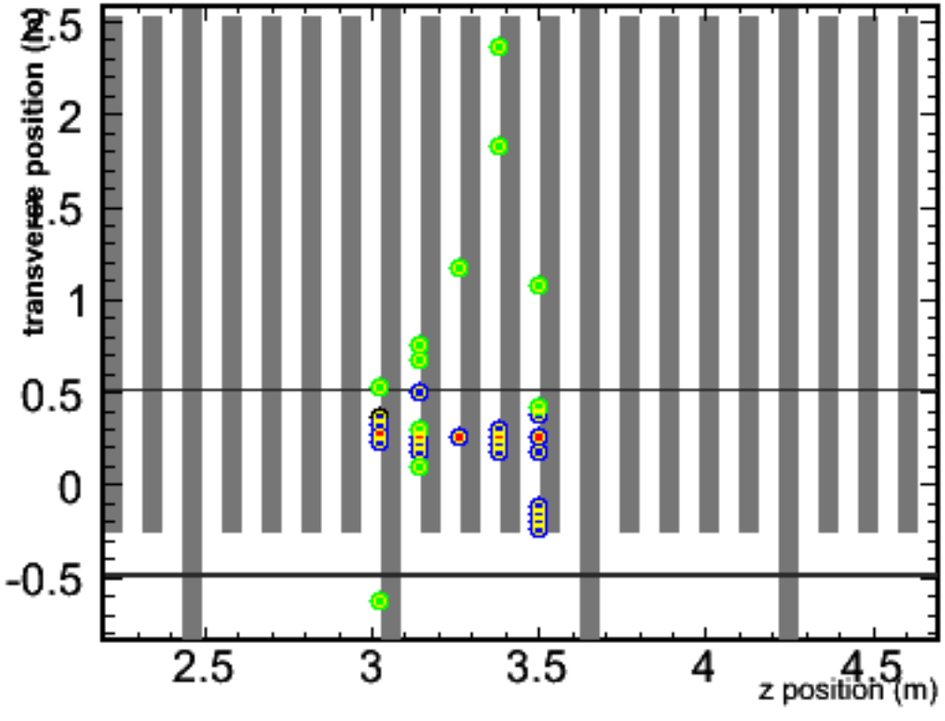
N/A

N/A

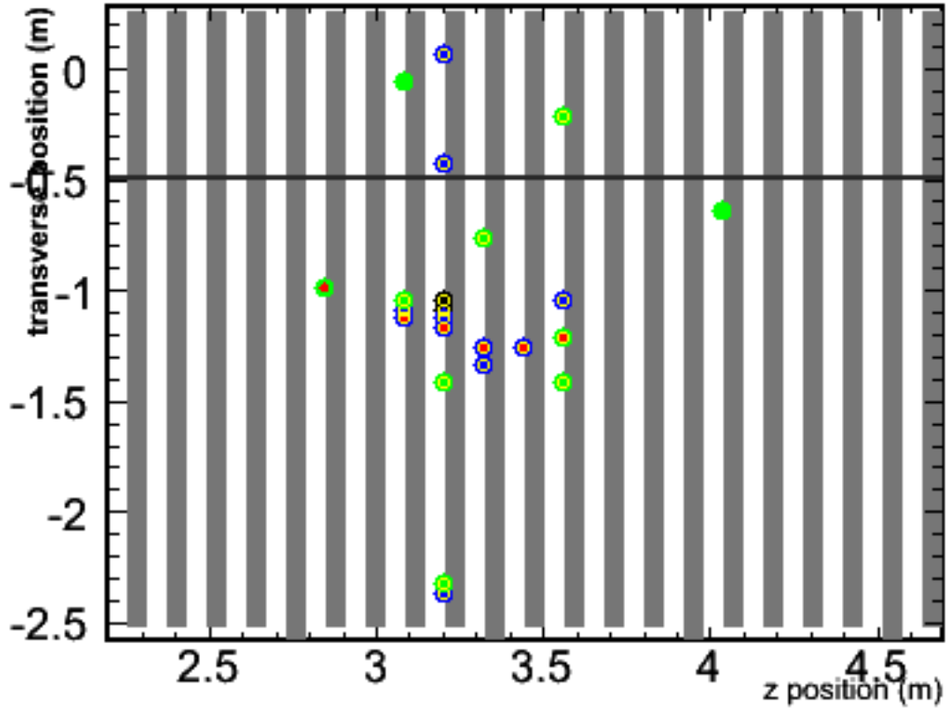
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit



Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 5(/7), Event 2(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.337 +/- 0.043, p/q: -2.971

TrkRangeEnergy: 2.598 RecoShwEnergy: 1.599

Vtx: 0.32, 0.16, 5.52

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

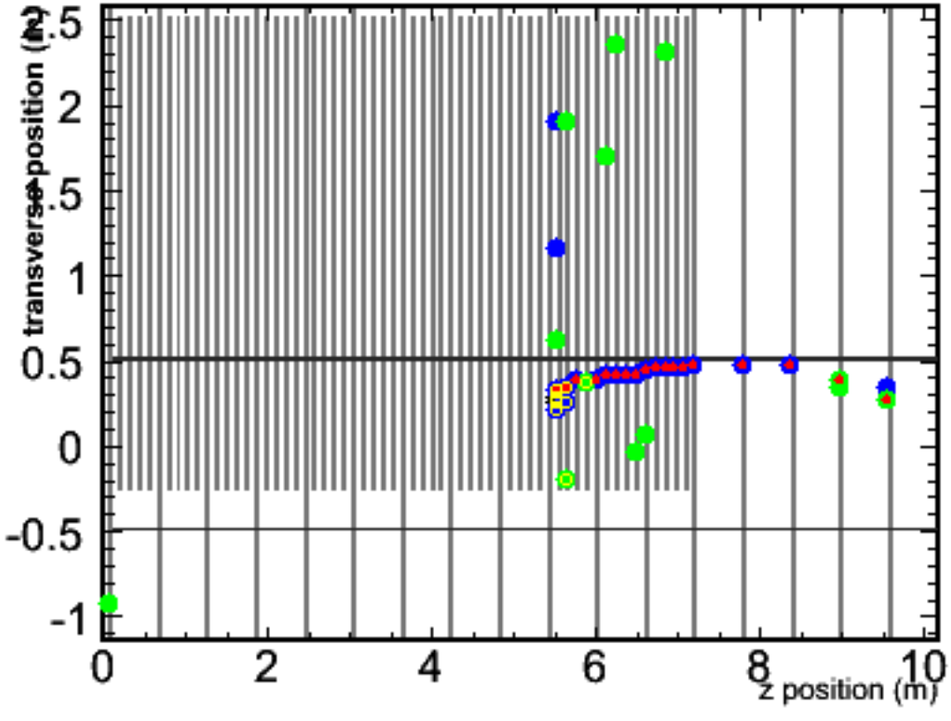
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

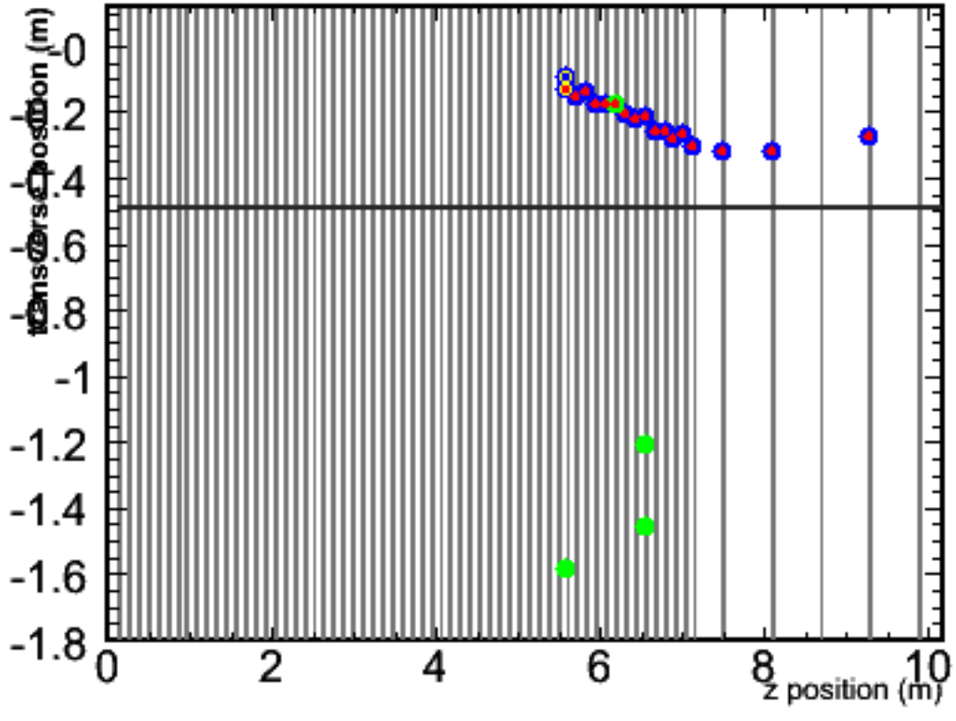
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 6(/7), Event 3(/5)

Reco

#Trks: 1

#Shws: 0

q/p: -0.083 +/- 0.001, p/q: -12.035

TrkRangeEnergy: 8.349 RecoShwEnergy: 0.000

Vtx: 0.20, -0.61, 0.05

Truth

N/A

N/A

N/A

N/A

N/A

N/A

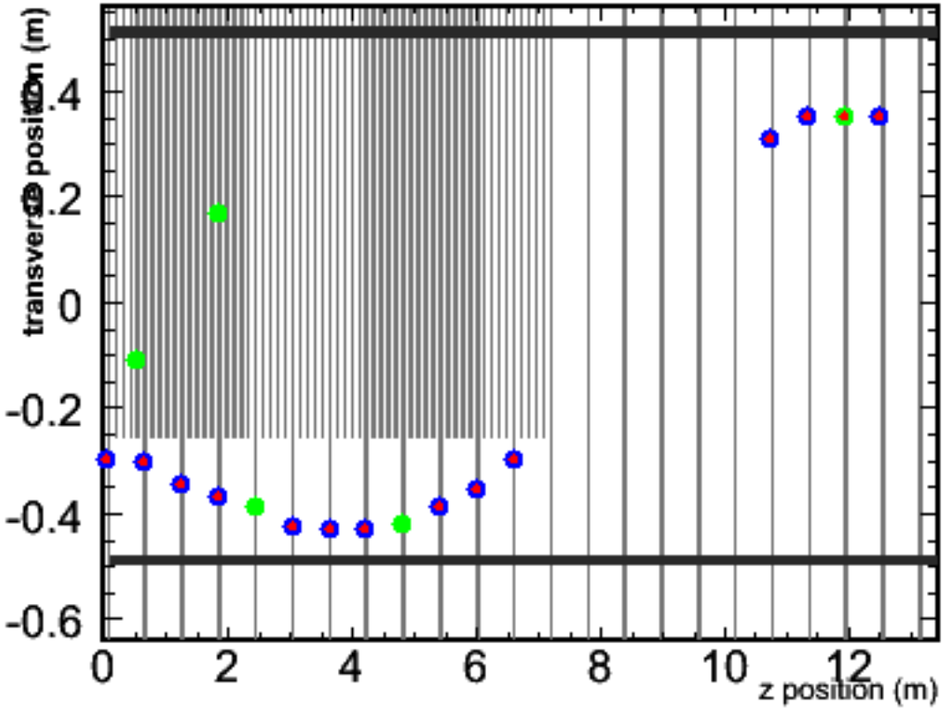
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

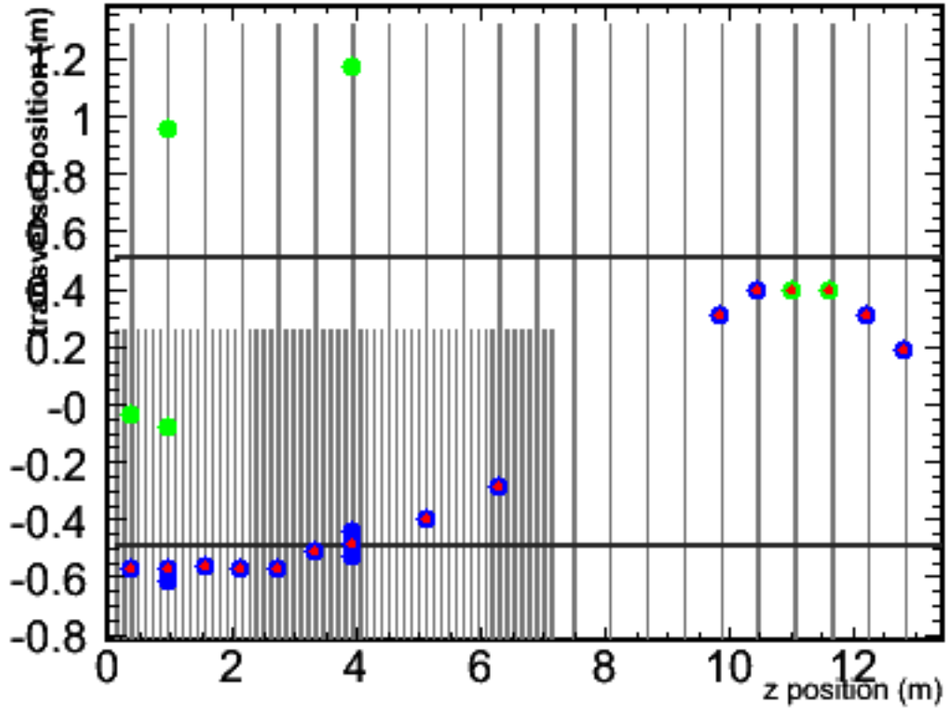
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- initial ν
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 7(/7), Event 4(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.084 +/- 0.006, p/q: -11.952

TrkRangeEnergy: 8.441 RecoShwEnergy: 4.680

Vtx: 0.91, 1.13, 3.50

Truth

N/A

N/A

N/A

N/A

N/A

N/A

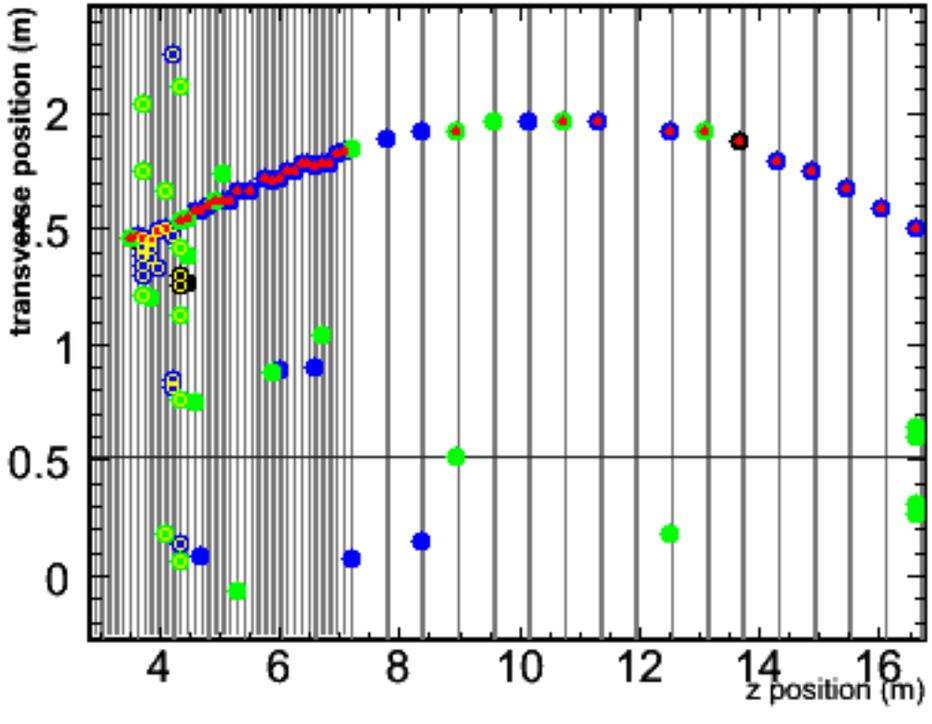
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

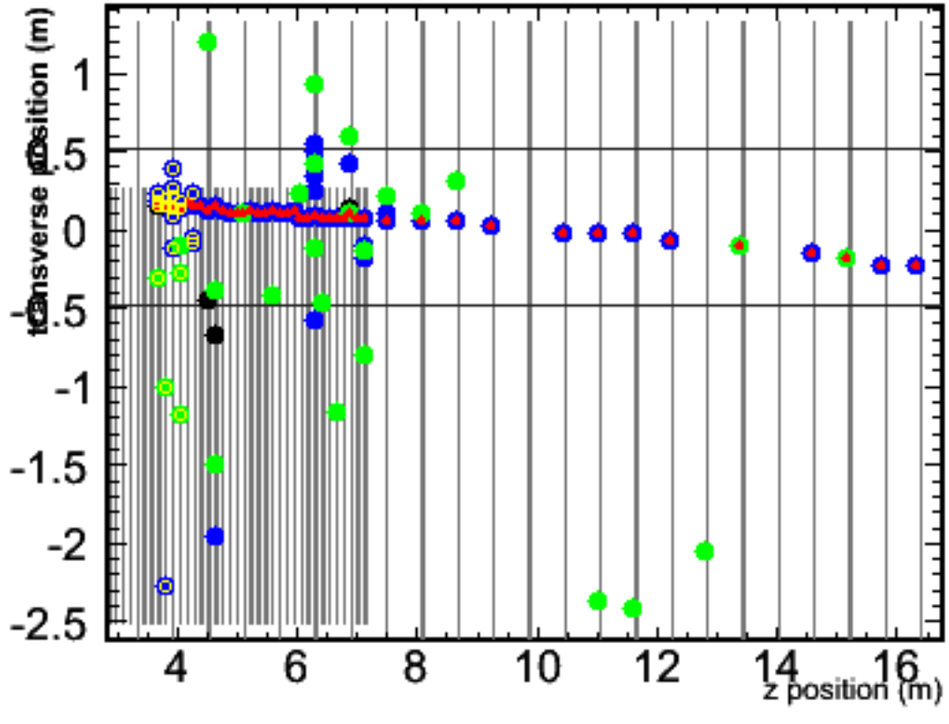
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e
- μ
- p
- n
- initial ν
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948417, Slice: 7(/7), Event 5(/5)

Reco

#Trks: 0

#Shws: 1

q/p: 0.000 +/- 0.000, p/q: 0.000

TrkRangeEnergy: 0.000 RecoShwEnergy: 3.080

Vtx: 0.00, 0.00, 0.00

Truth

N/A

N/A

N/A

N/A

N/A

N/A

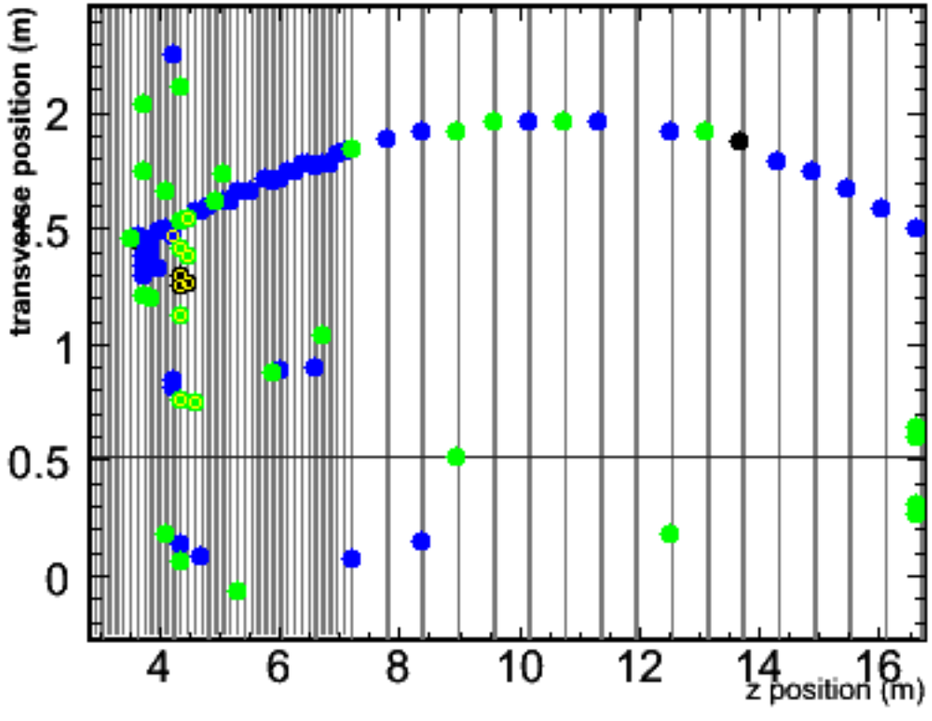
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

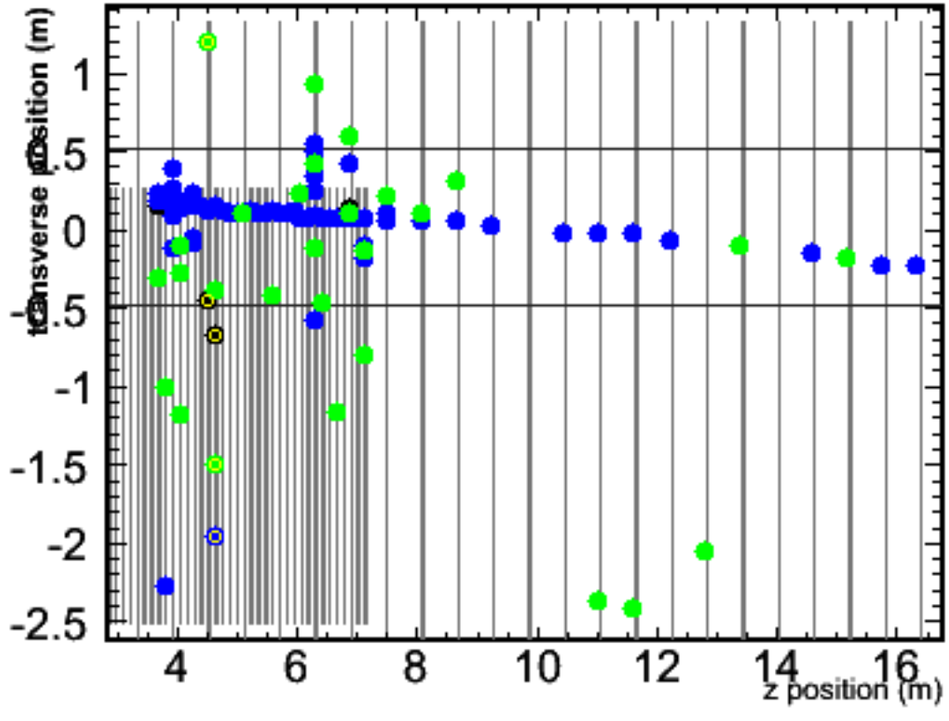
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948756, Slice: 1(/5), Event 1(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.243 +/- 0.030, p/q: -4.117

TrkRangeEnergy: 4.034 RecoShwEnergy: 0.090

Vtx: -0.64, 0.53, 0.35

Truth

N/A

N/A

N/A

N/A

N/A

N/A

N/A

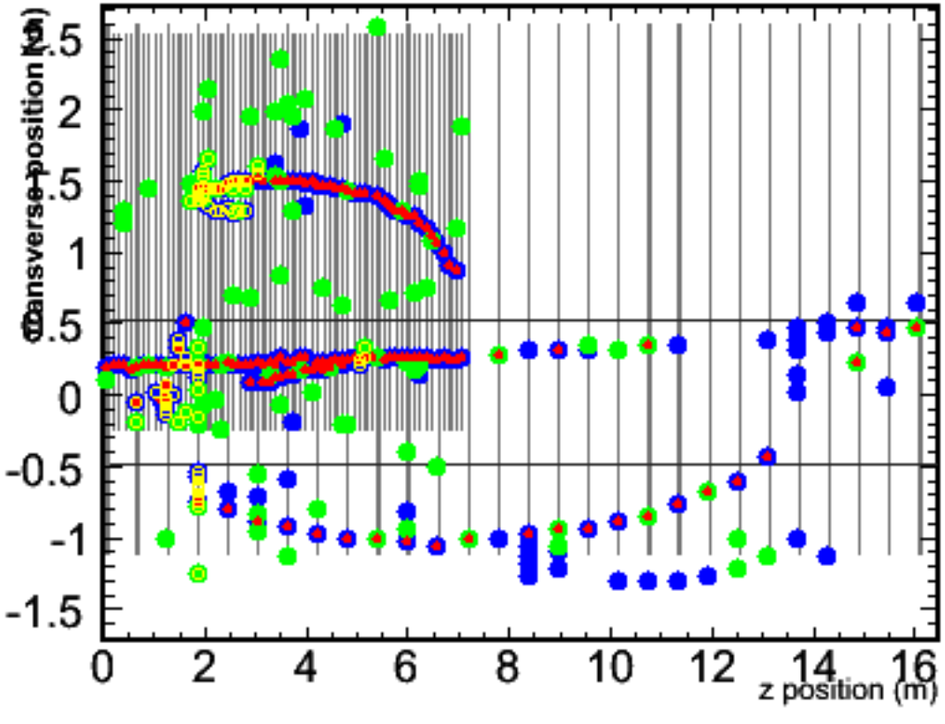
Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

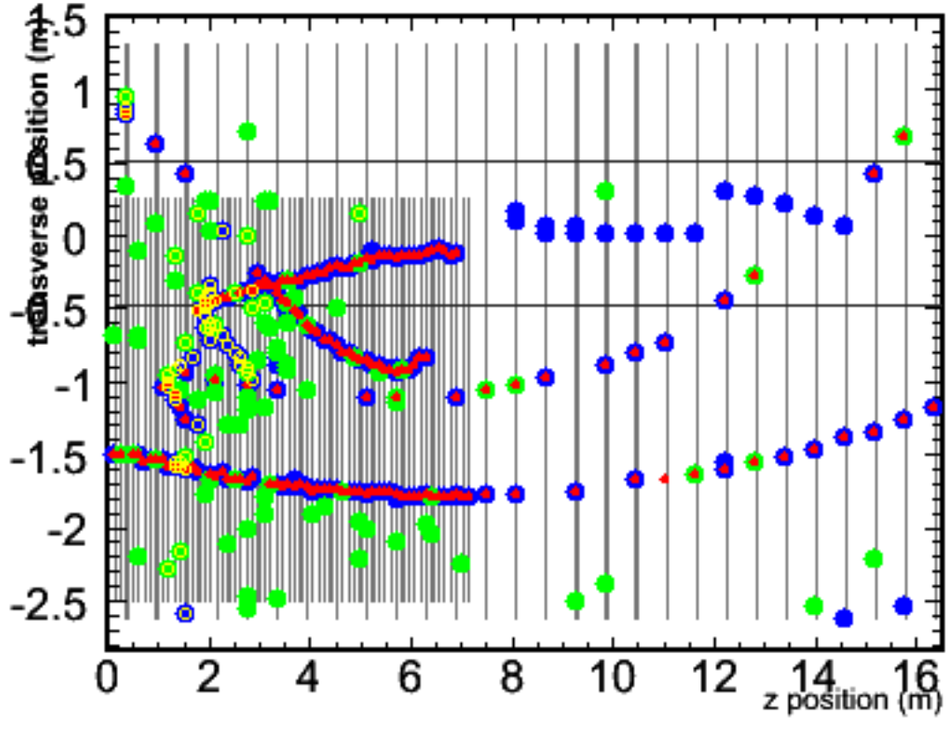
Truth
- e
- μ
- p
- n
- $\pi^{+/-}$
- π^0
- $K^{+/-/0}$
- γ
- τ
- final ν

initial ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948756, Slice: 1(/5), Event 1(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.243 +/- 0.030, p/q: -4.117

TrkRangeEnergy: 4.034 RecoShwEnergy: 0.090

Vtx: -0.64, 0.53, 0.35

Truth

N/A

N/A

N/A

N/A

N/A

N/A

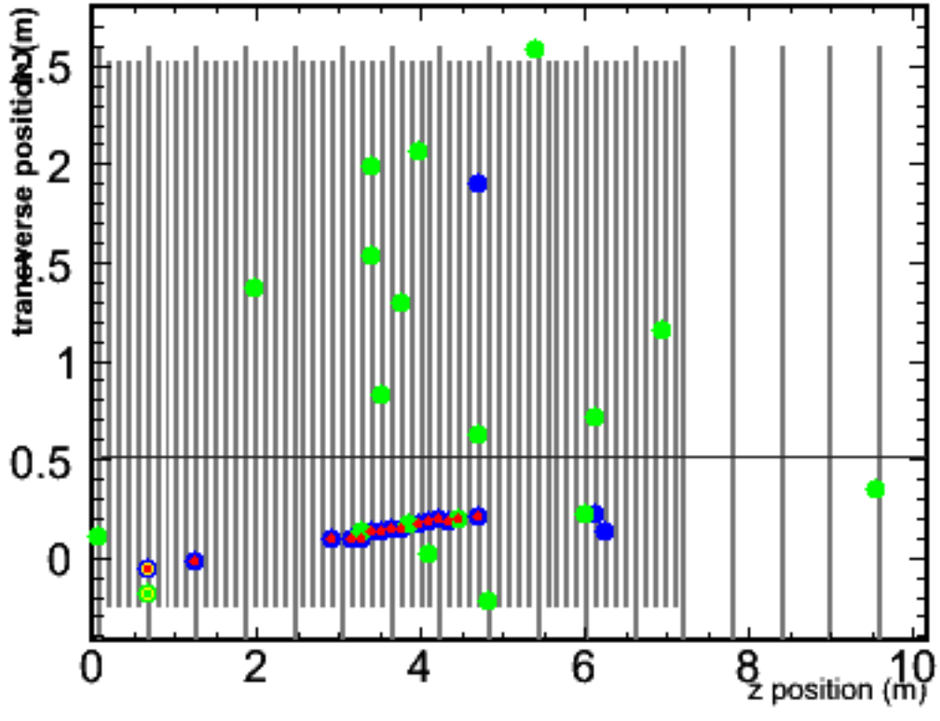
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

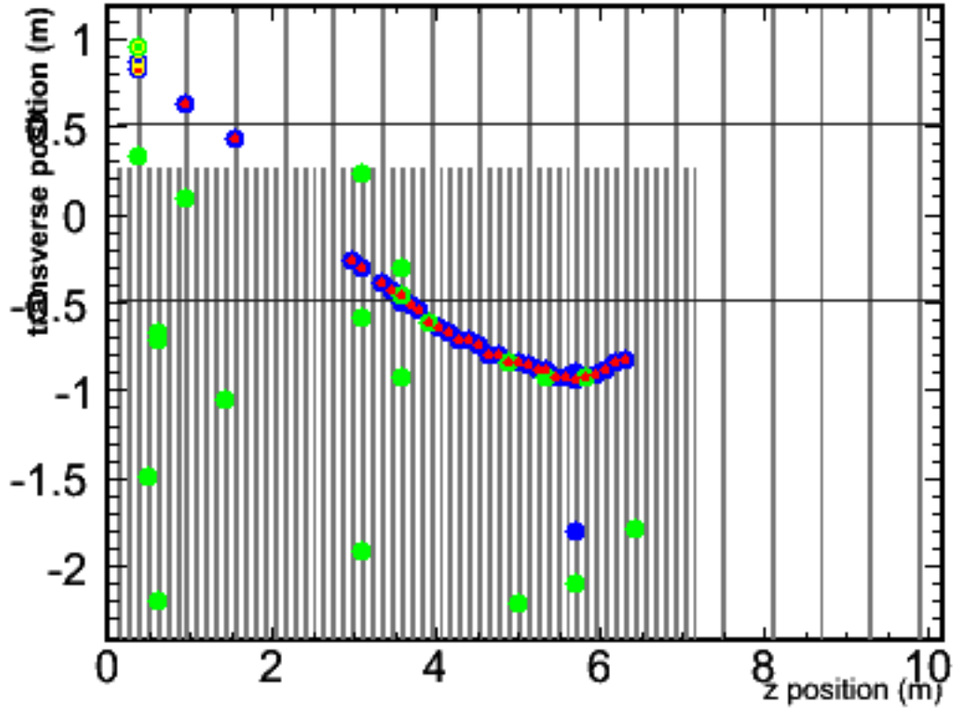
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, p, n, initial ν
- $\pi^{+/-}$, π^0, $K^{+/-/0}$, γ, τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948756, Slice: 2(/5), Event 2(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.300 +/- 0.012, p/q: -3.337

TrkRangeEnergy: 3.378 RecoShwEnergy: 3.441

Vtx: 1.35, 0.66, 1.78

Truth

N/A

N/A

N/A

N/A

N/A

N/A

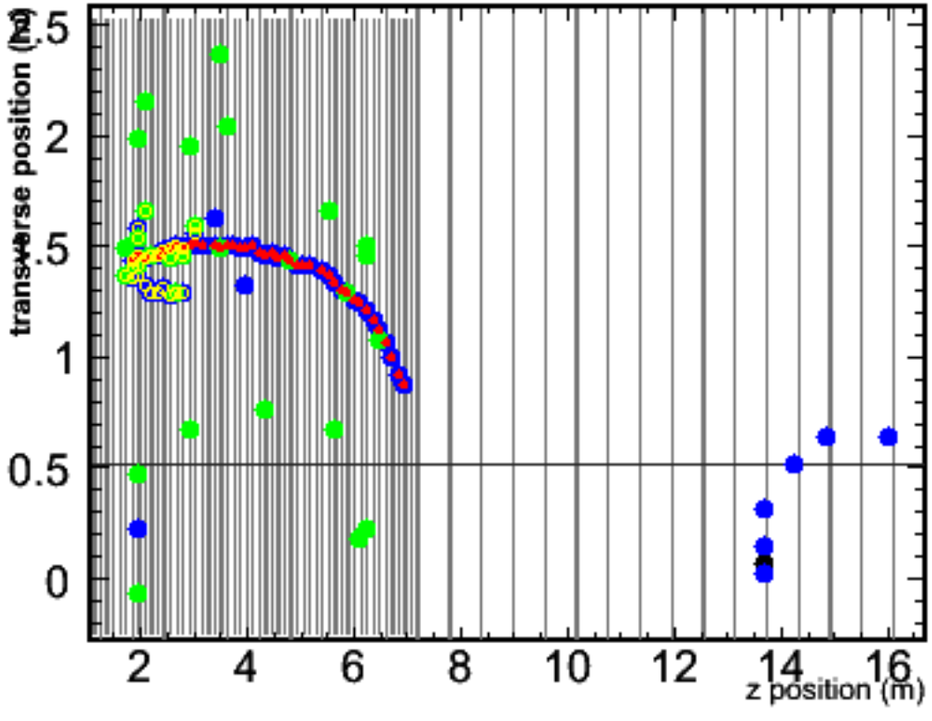
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

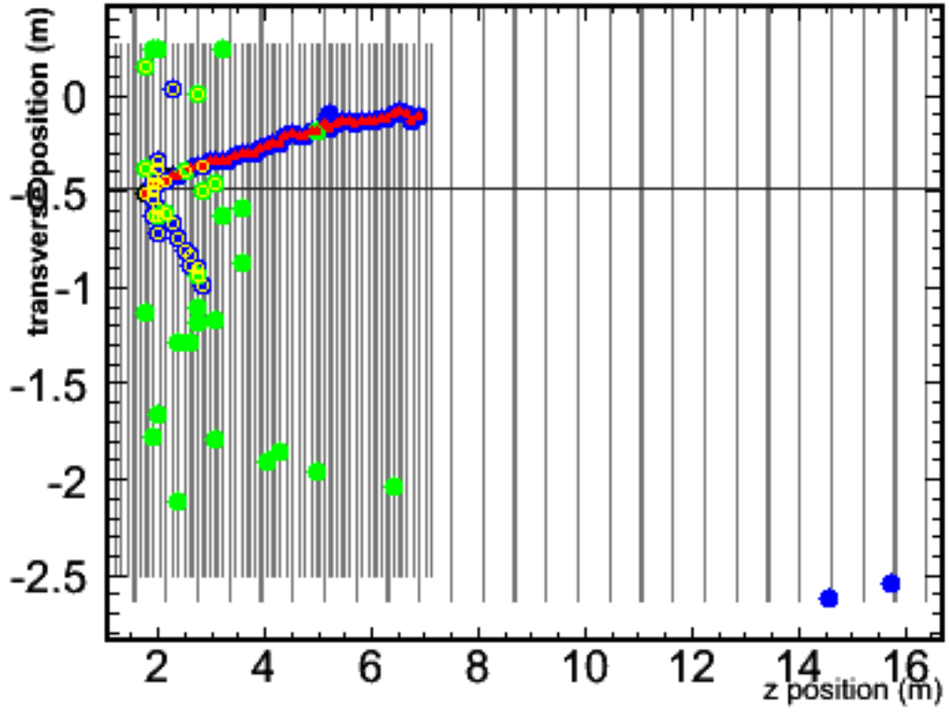
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948756, Slice: 3(/5), Event 3(/5)

Reco

#Trks: 1

#Shws: 1

q/p: 1.182 +/- 0.180, p/q: 0.846

TrkRangeEnergy: 0.631 RecoShwEnergy: 2.260

Vtx: 0.66, -0.80, 1.06

Truth

N/A

N/A

N/A

N/A

N/A

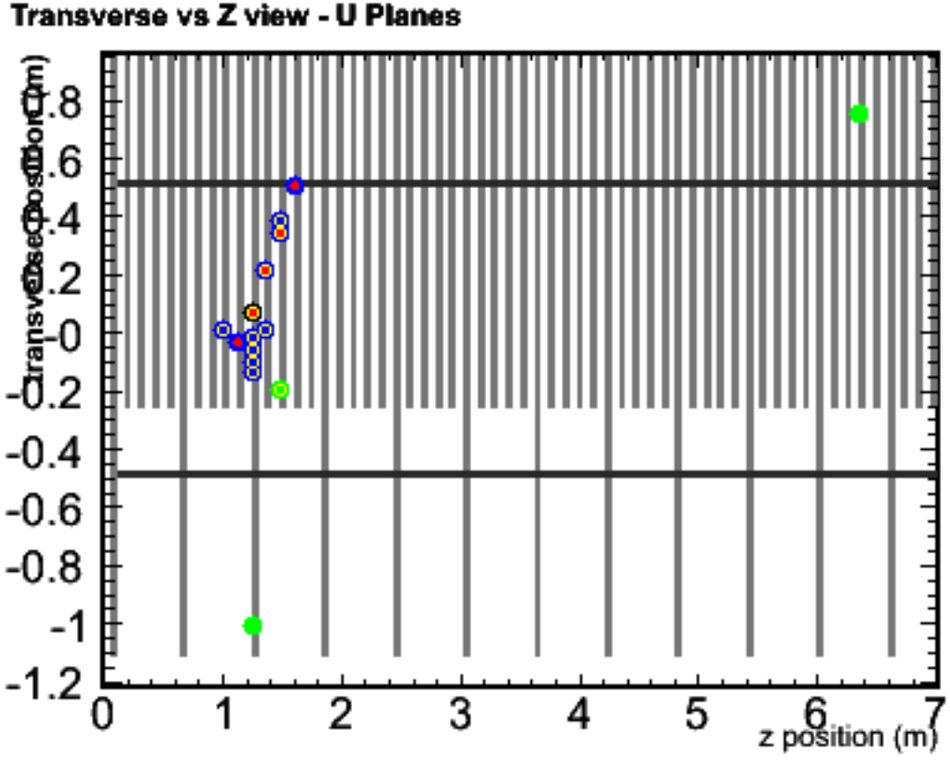
N/A

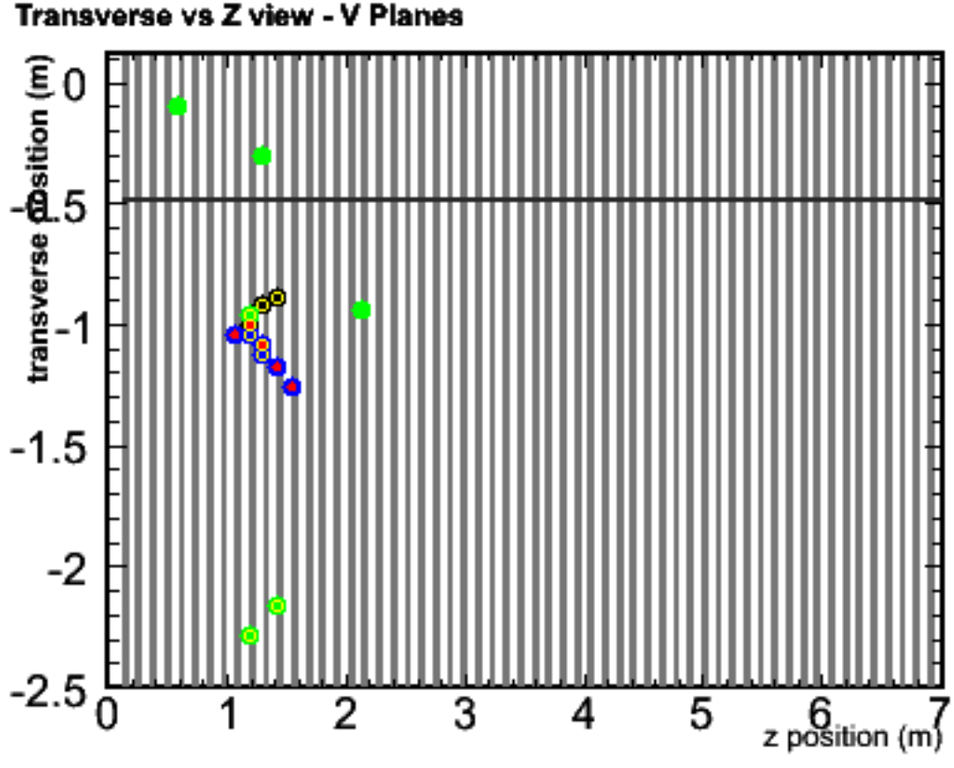
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν





Run: 8460, Snarl: 948756, Slice: 4(/5), Event 4(/5)

Reco

#Trks: 1

#Shws: 2

q/p: -0.058 +/- 0.004, p/q: -17.262

TrkRangeEnergy: 10.678 RecoShwEnergy: 0.908

Vtx: 1.19, -0.90, 0.05

Truth

N/A

N/A

N/A

N/A

N/A

N/A

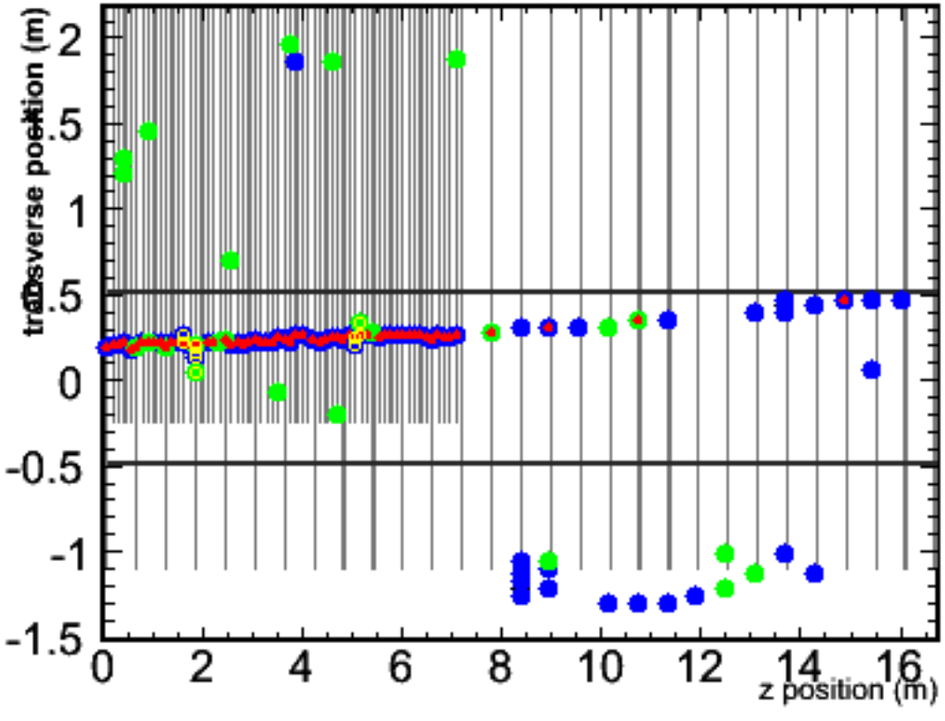
N/A

Ignore	Previous Pass		Next Pass	
NuMu	Step Back		Step Forward	
NuE	Prev Slc	Next Slc	Prev Evt	Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl...	AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print	Quit

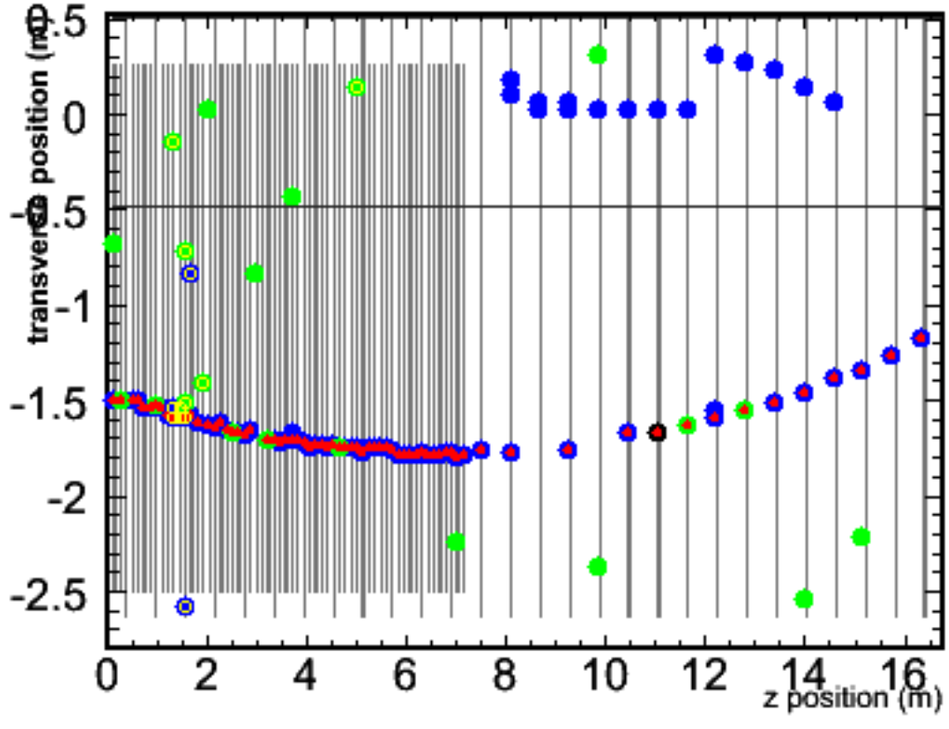
Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes



Run: 8460, Snarl: 948756, Slice: 5(/5), Event 5(/5)

Reco

#Trks: 1

#Shws: 1

q/p: -0.243 +/- 0.030, p/q: -4.117

TrkRangeEnergy: 4.034 RecoShwEnergy: 1.887

Vtx: -0.64, 0.53, 0.35

Truth

N/A

N/A

N/A

N/A

N/A

N/A

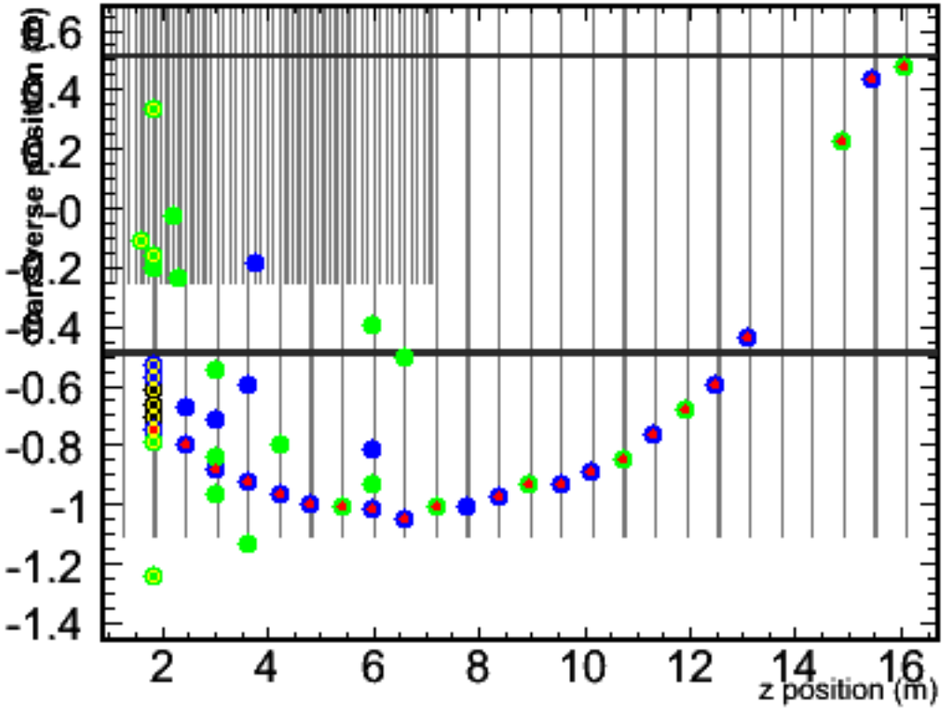
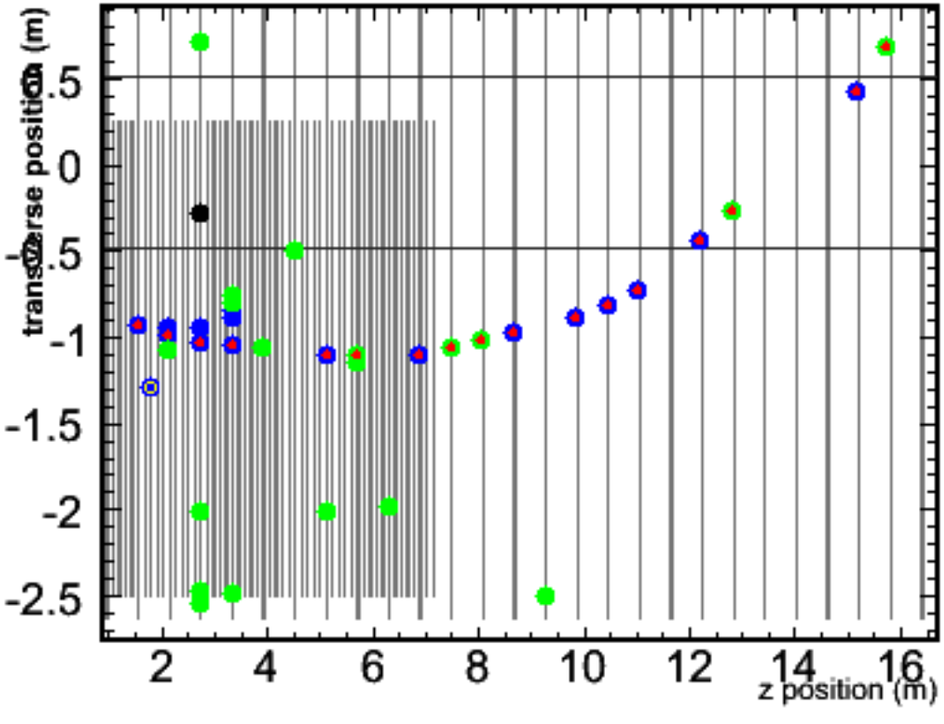
N/A

Ignore	Previous Pass		Next Pass
NuMu	Step Back		Step Forward
NuE	Prev Slc	Next Slc	Prev Evt / Next Evt
NC	Prev MC	Next MC	Skip to... / Run,Snarl... / AutoMatch
CC	Refresh / Overlay	Lego? / Clusters?	Print / Quit

Reco
- Summed NPEs < 2.0
- 2.0 < Summed NPEs < 20.0
- Summed NPEs > 20.0
- Reconstructed Track Hit
- Reconstructed Shower Hit (cyan=EM)

Truth
- e, μ, initial ν
- p, n
- $\pi^{+/-}$, π^0
- $K^{+/-/0}$, γ
- τ, final ν

Transverse vs Z view - U Planes



Transverse vs Z view - V Planes