

Data

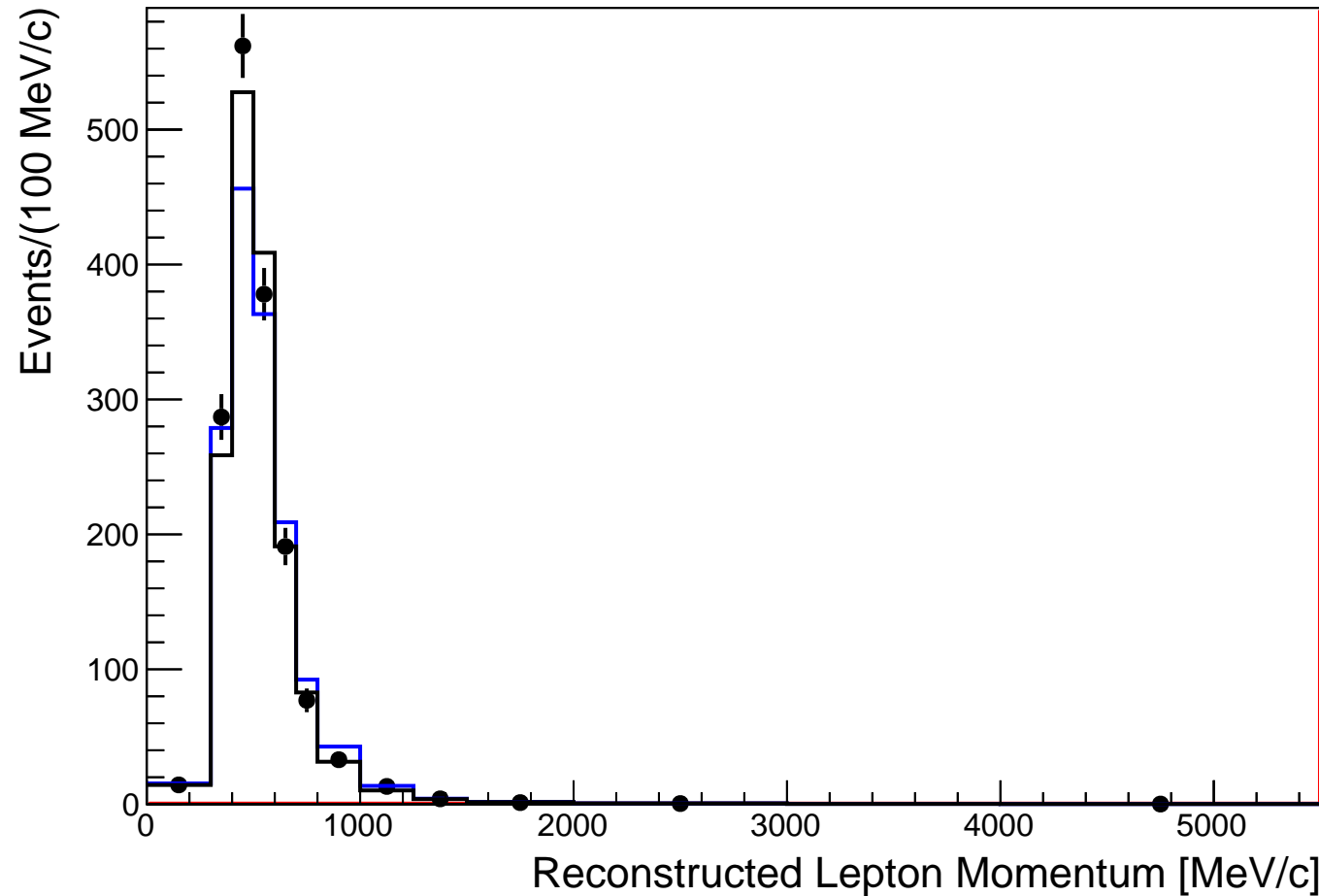


Prefit

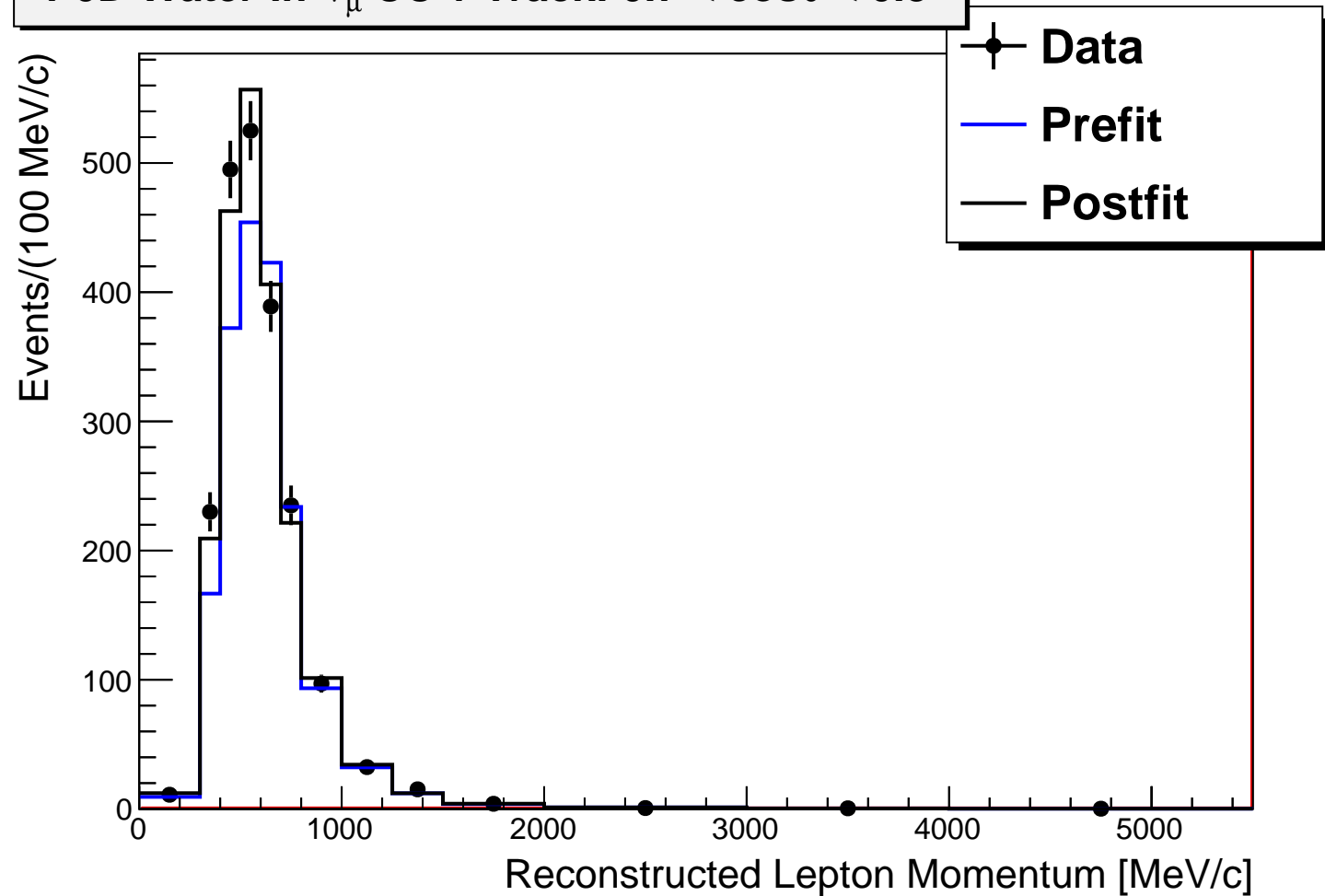


Postfit

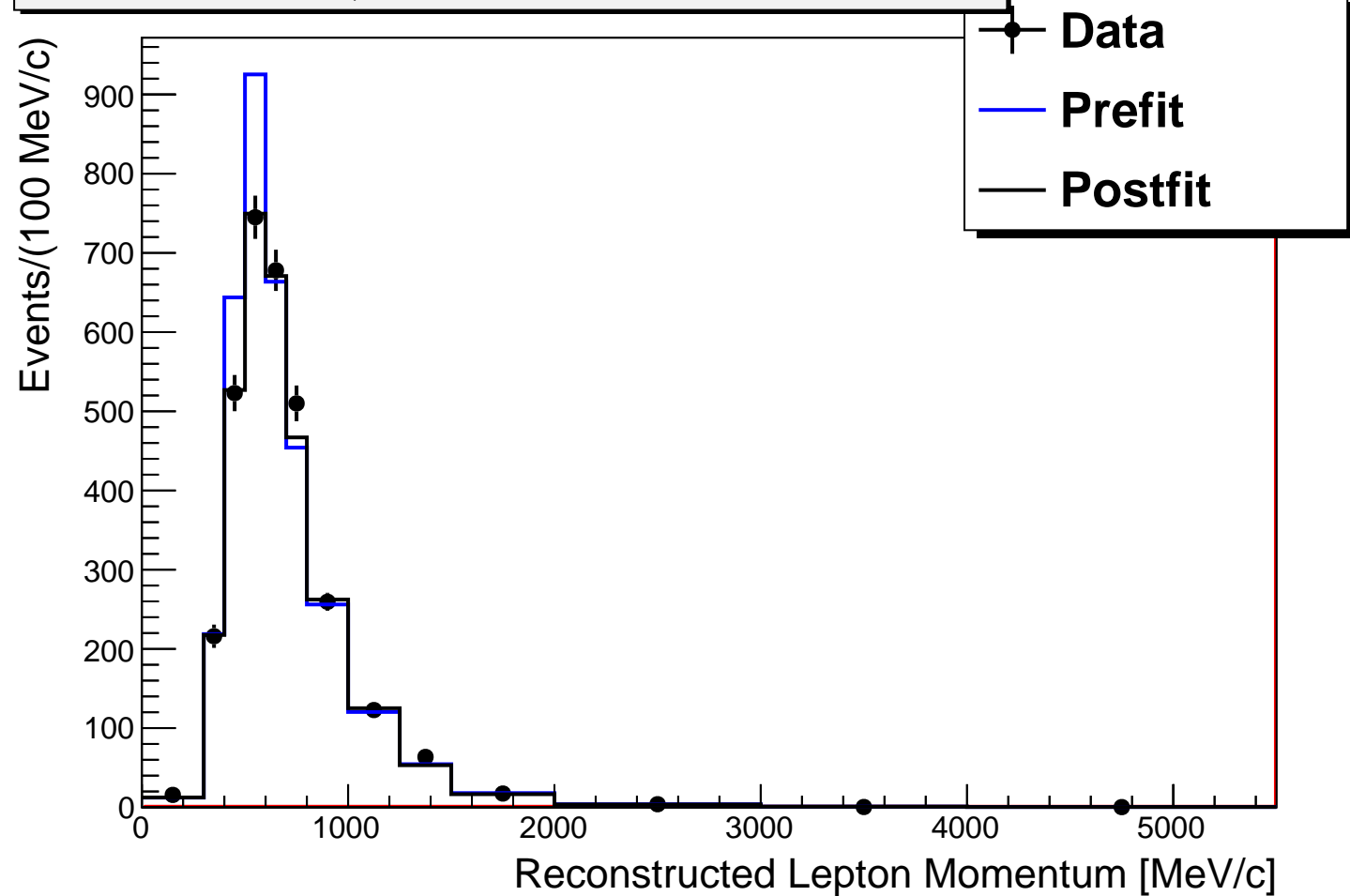
P0D Water-In ν_μ CC 1-Track: $-1.0 < \cos\theta < 0.7$



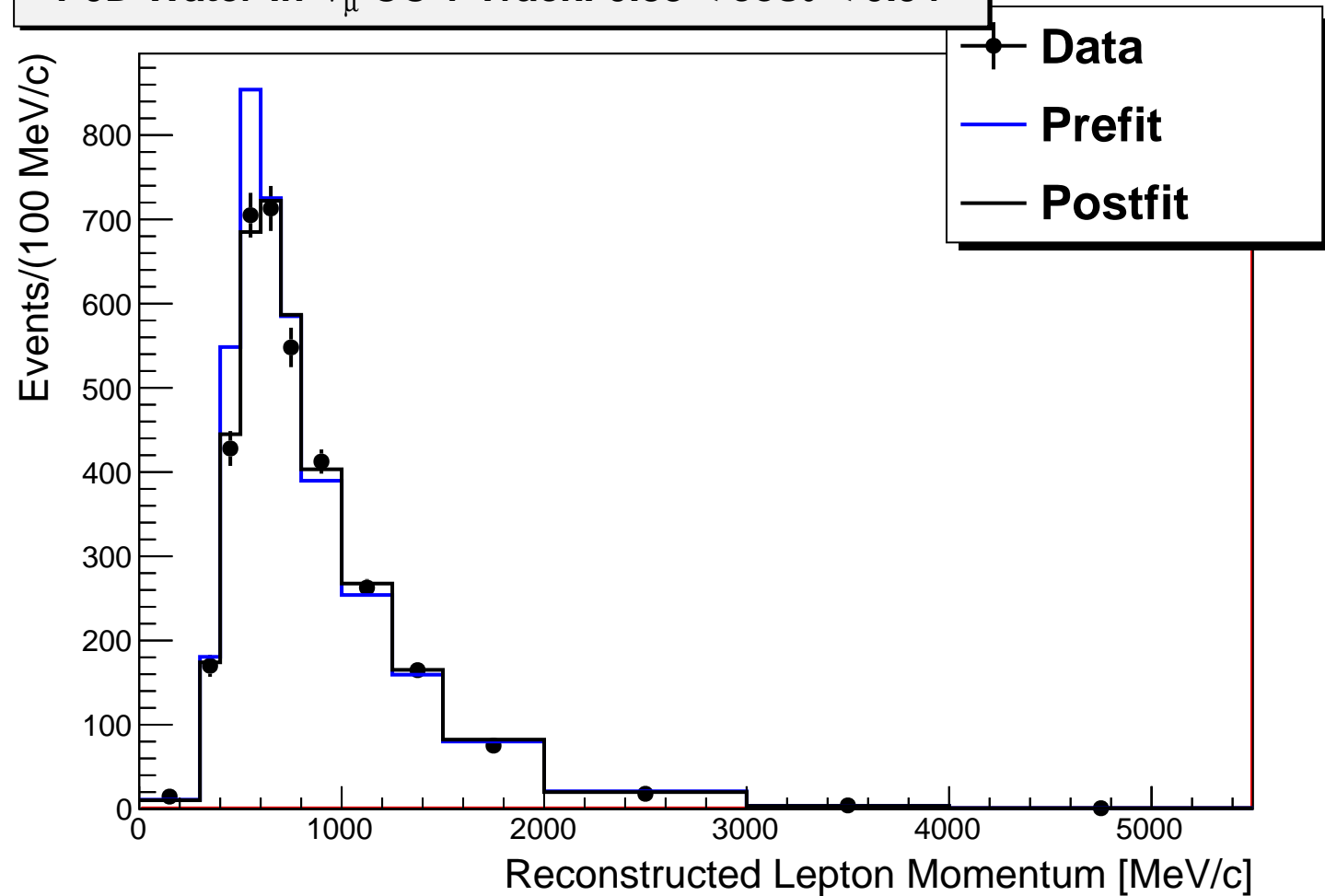
P0D Water-In ν_μ CC 1-Track: $0.7 < \cos\theta < 0.8$



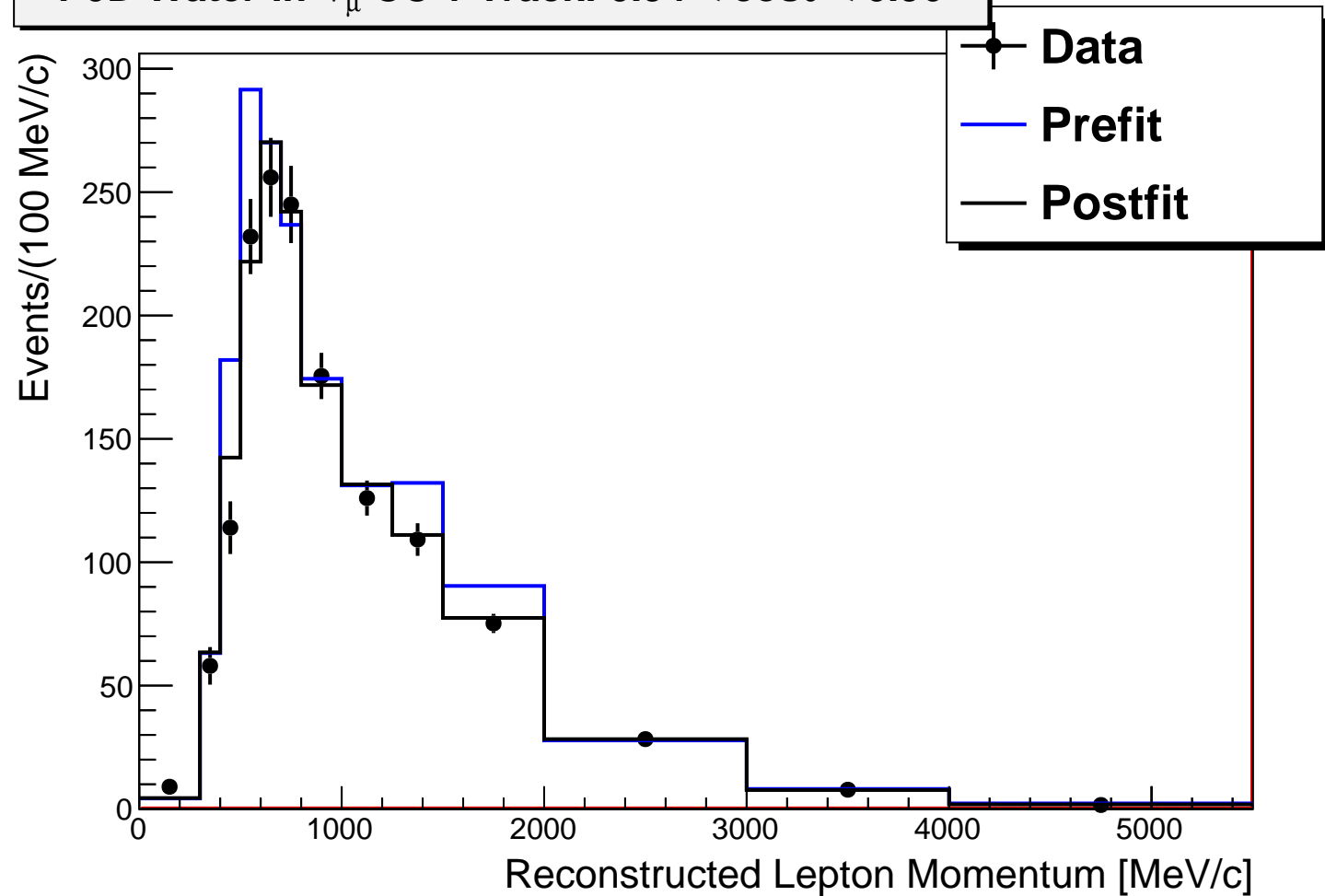
P0D Water-In ν_μ CC 1-Track: $0.8 < \cos\theta < 0.88$



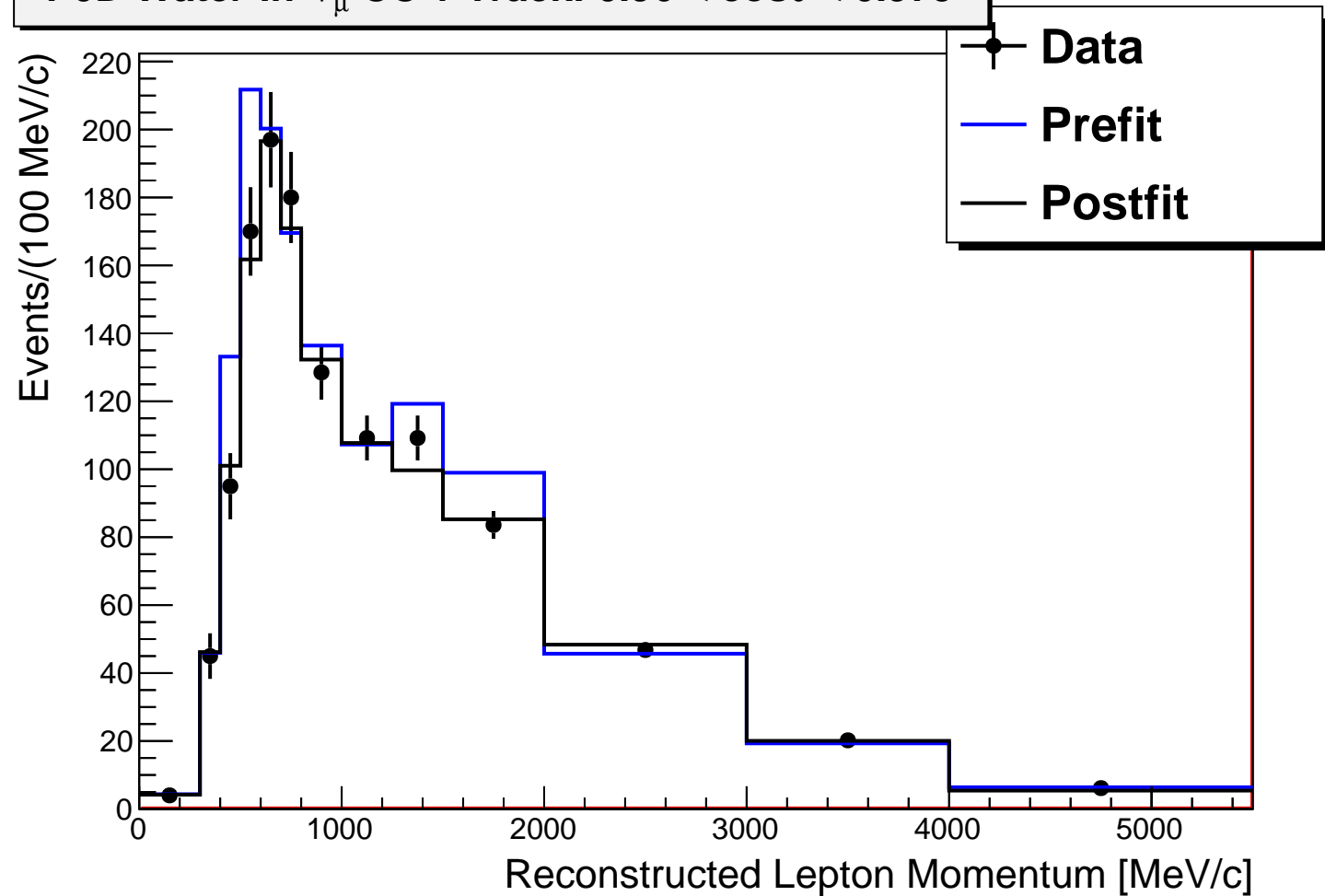
P0D Water-In ν_μ CC 1-Track: $0.88 < \cos\theta < 0.94$



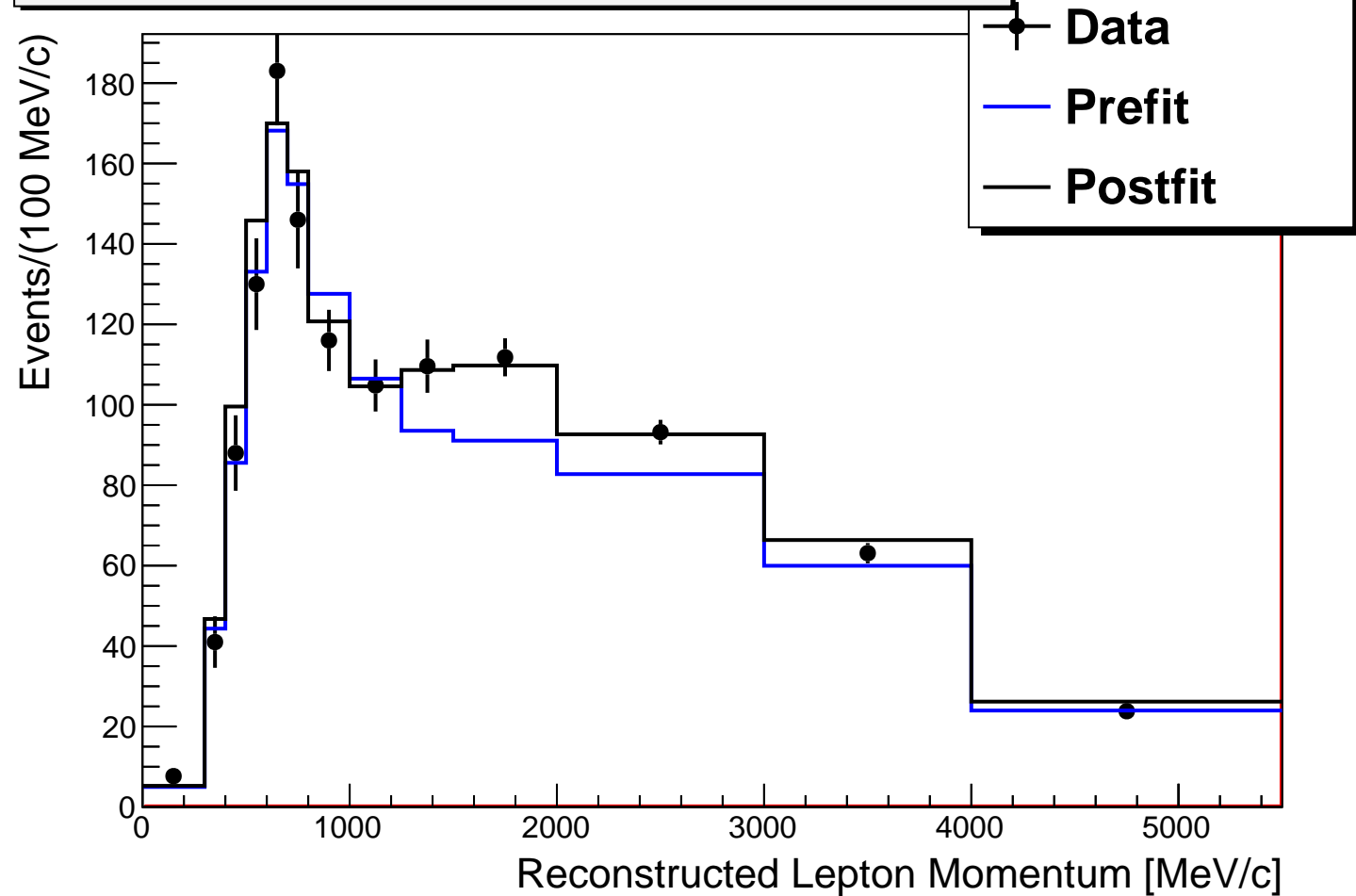
P0D Water-In ν_μ CC 1-Track: $0.94 < \cos\theta < 0.96$



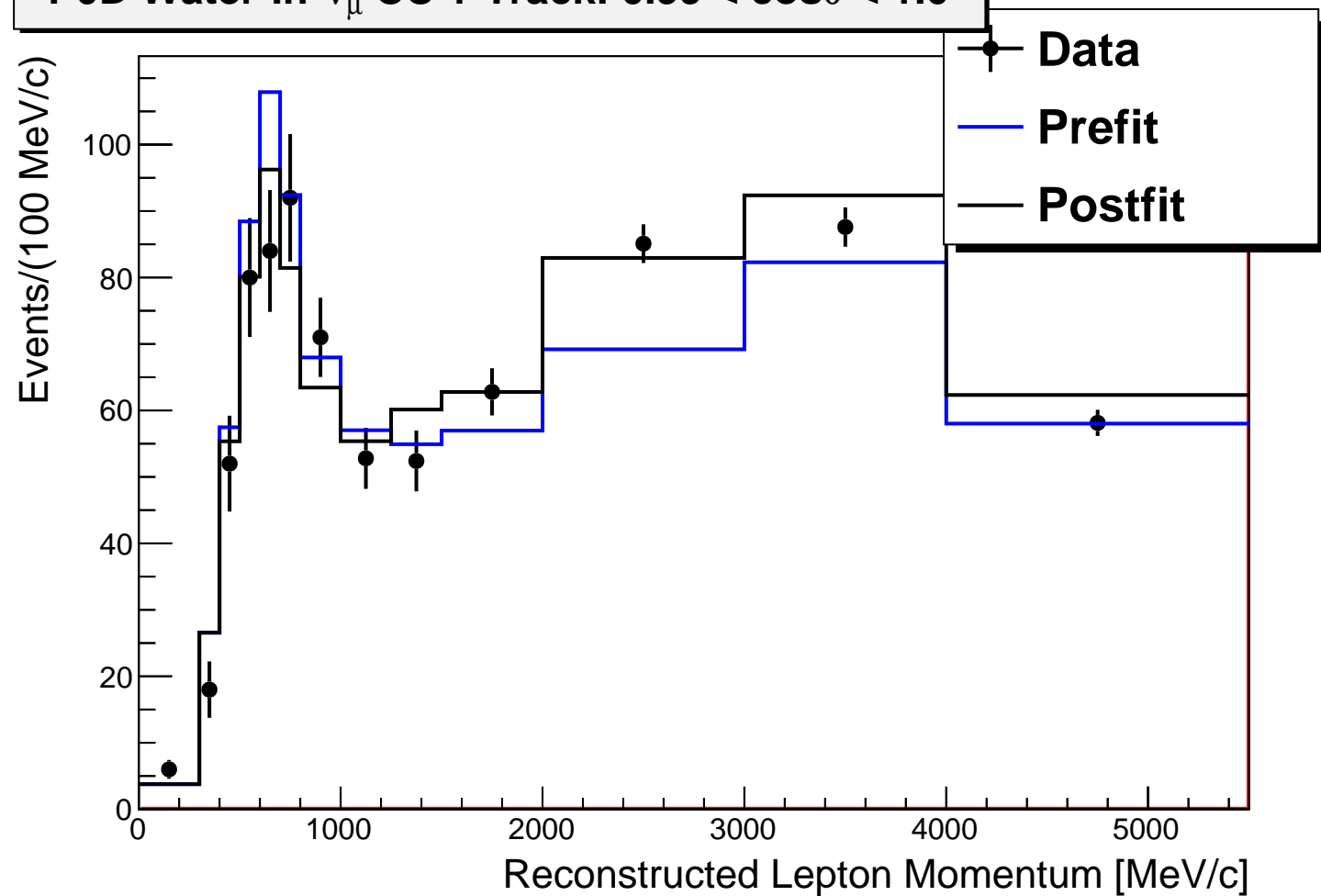
P0D Water-In ν_μ CC 1-Track: $0.96 < \cos\theta < 0.975$



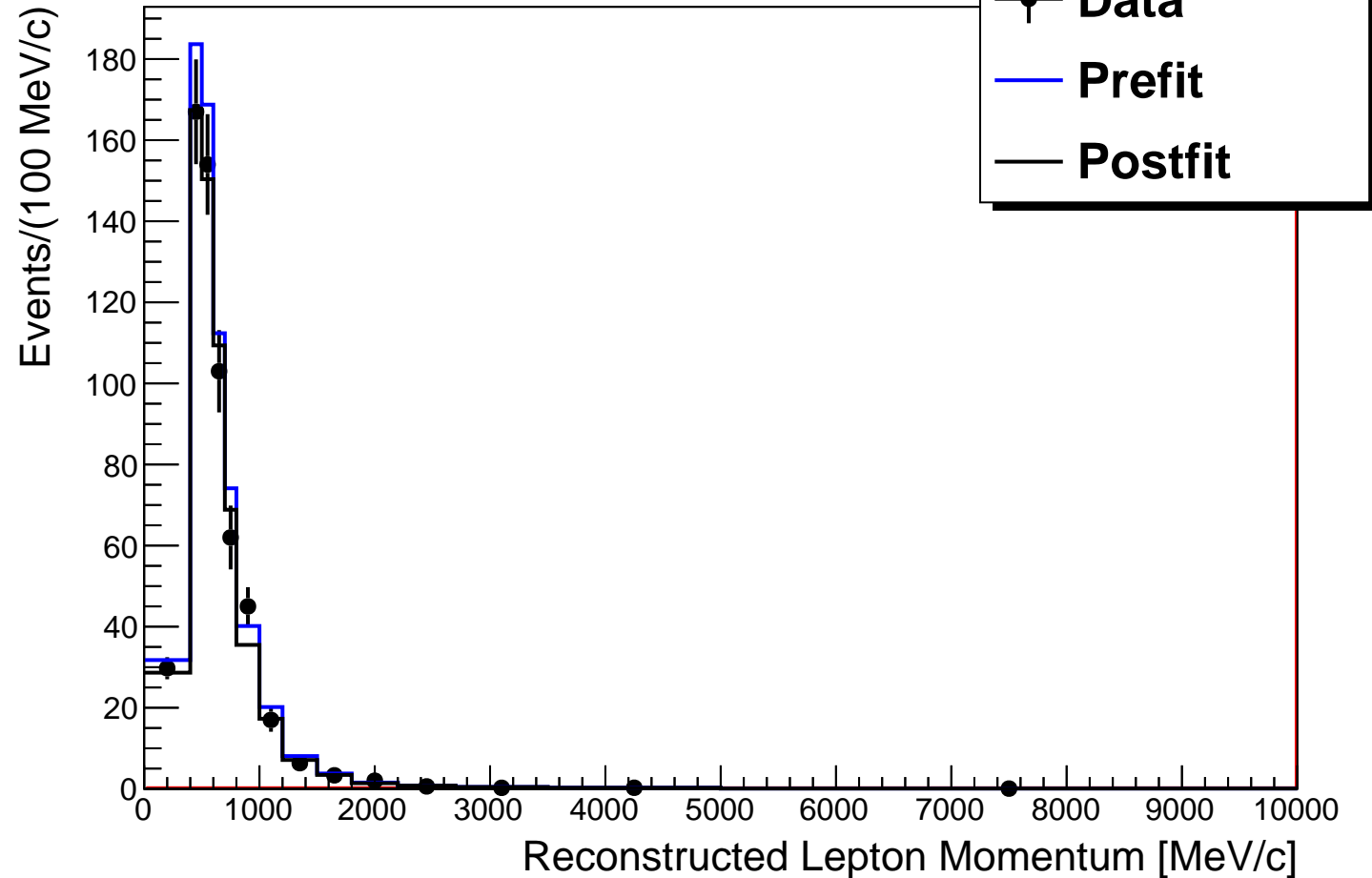
P0D Water-In ν_μ CC 1-Track: $0.975 < \cos\theta < 0.99$



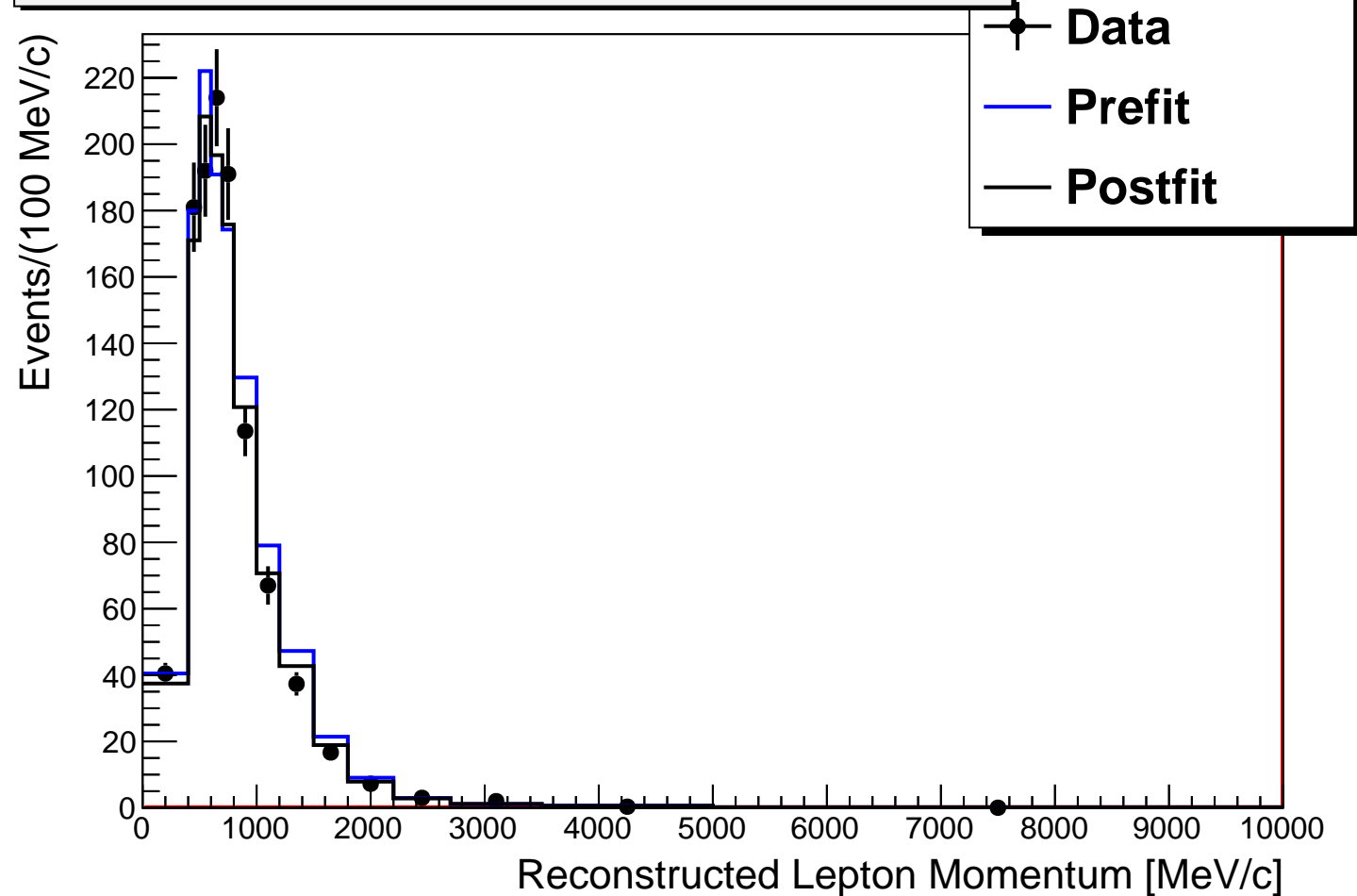
P0D Water-In ν_μ CC 1-Track: $0.99 < \cos\theta < 1.0$



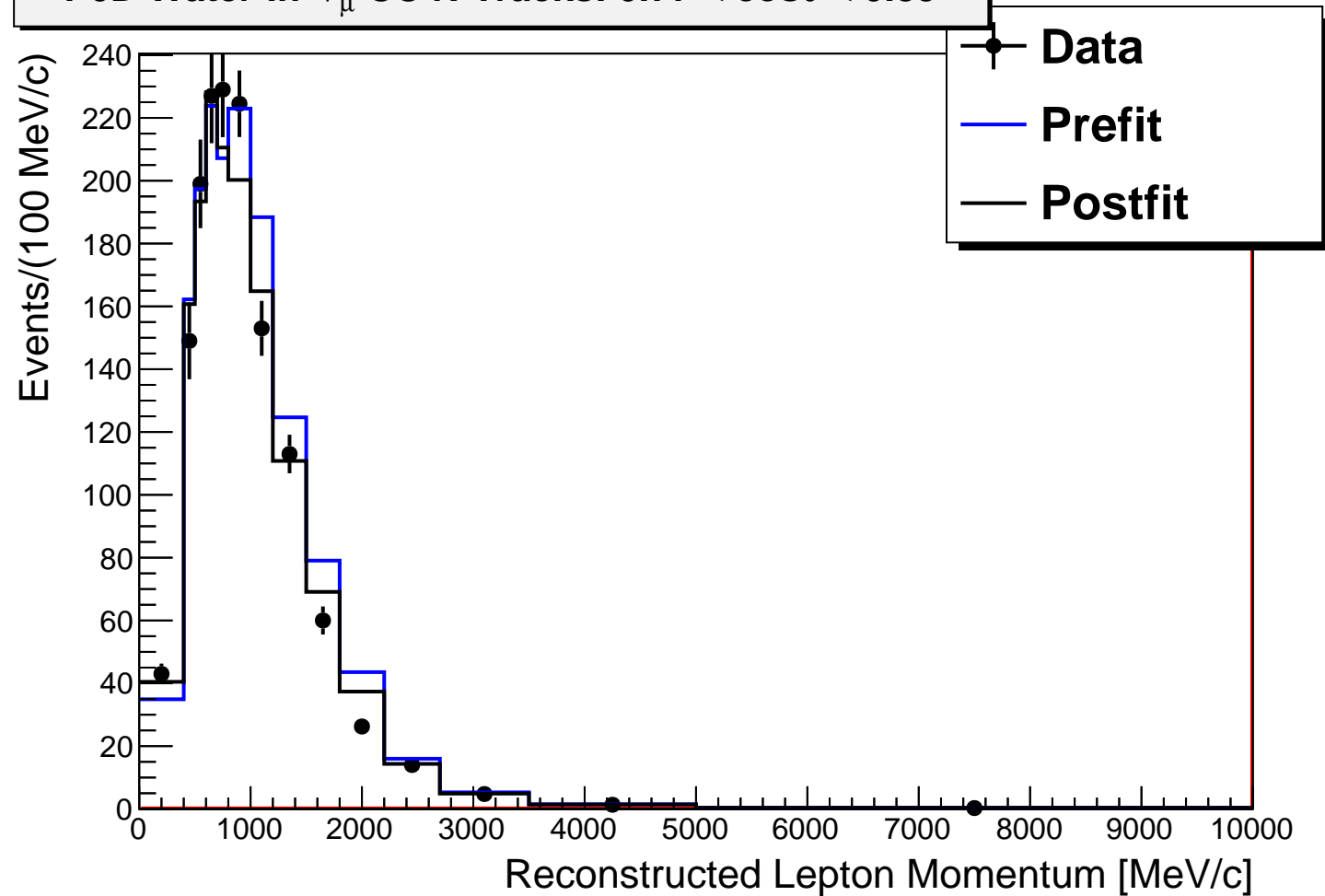
P0D Water-In ν_μ CC N-Tracks: $-1.0 < \cos\theta < 0.65$



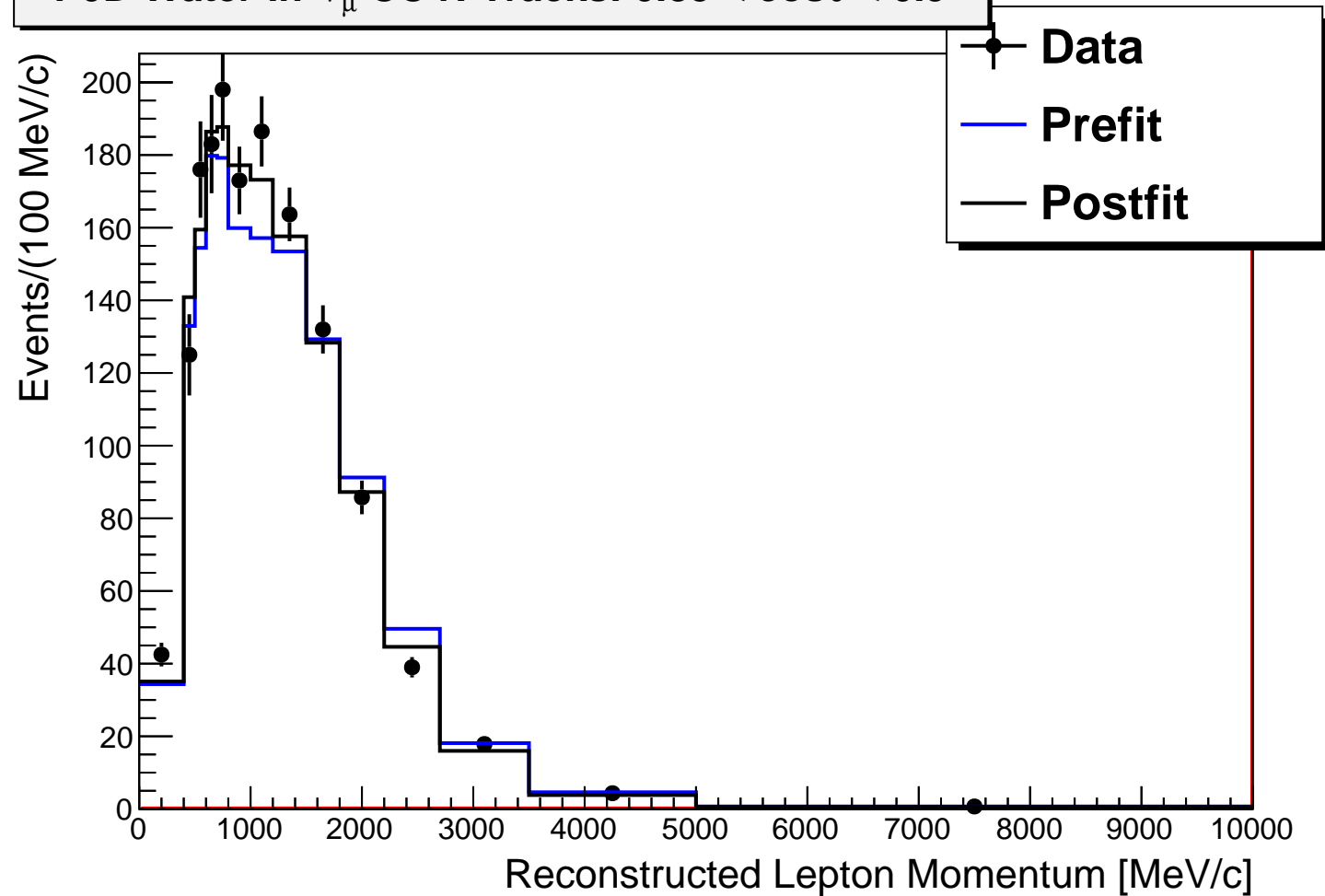
P0D Water-In ν_μ CC N-Tracks: $0.65 < \cos\theta < 0.77$



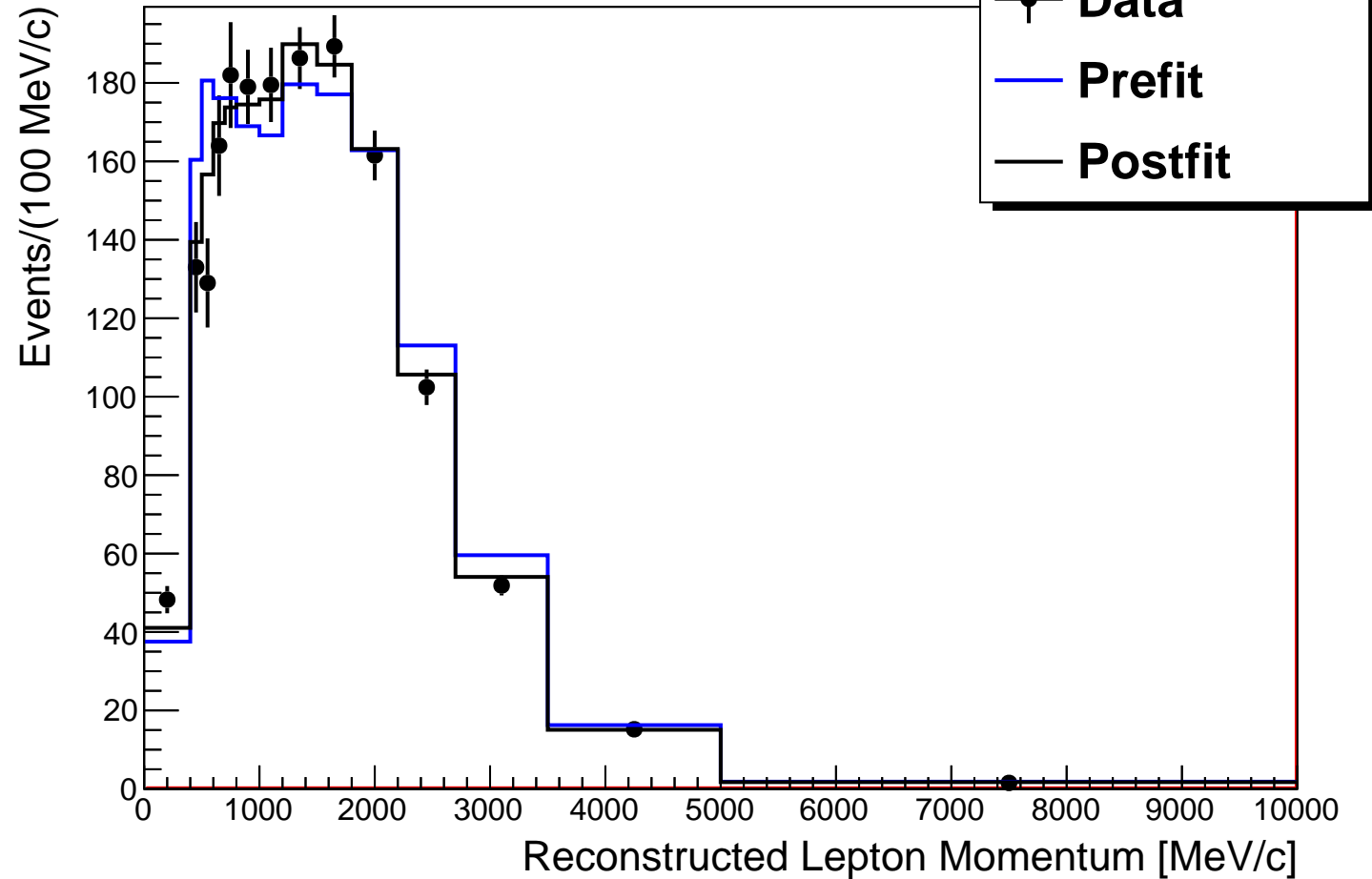
P0D Water-In ν_μ CC N-Tracks: $0.77 < \cos\theta < 0.85$



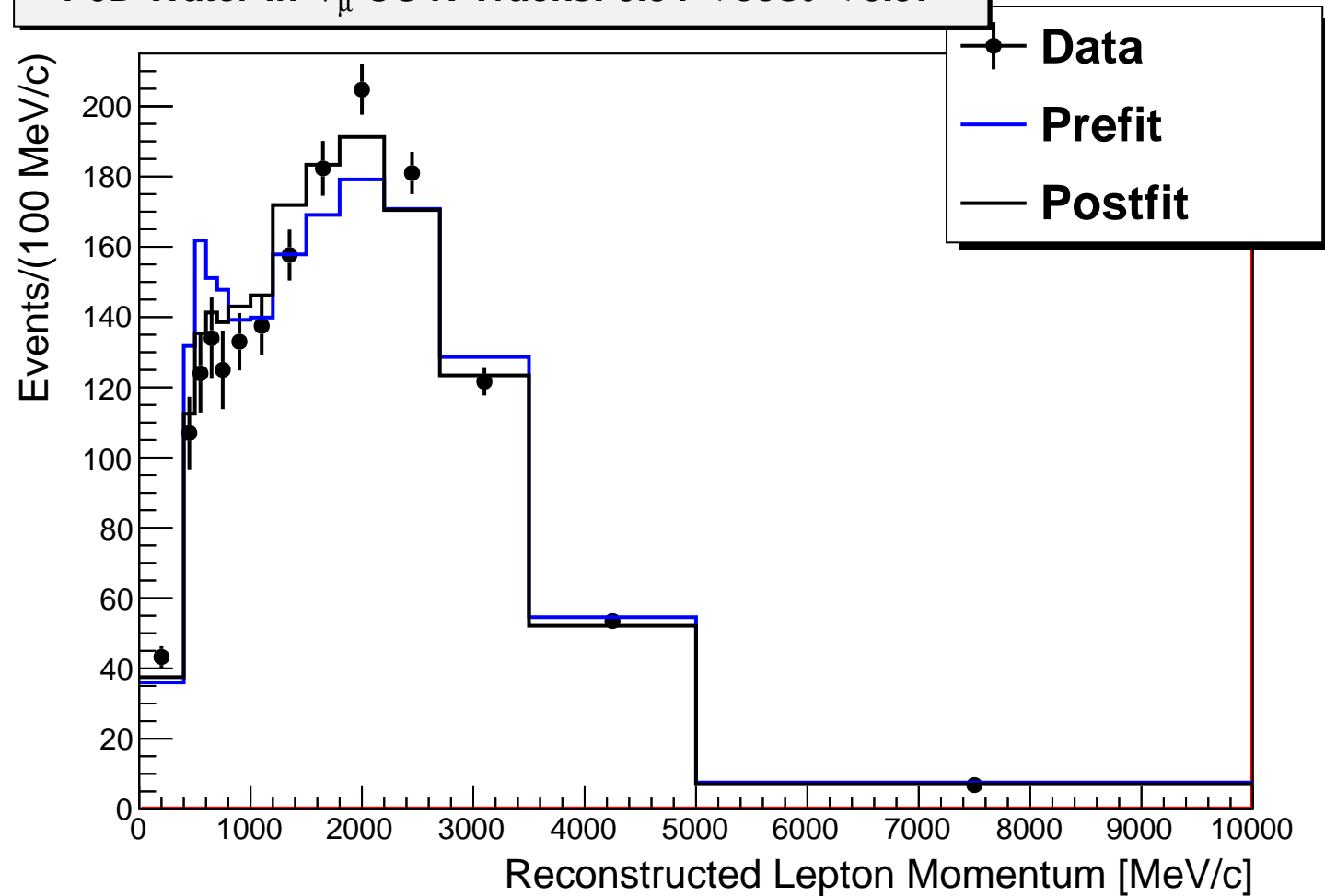
P0D Water-In ν_μ CC N-Tracks: $0.85 < \cos\theta < 0.9$



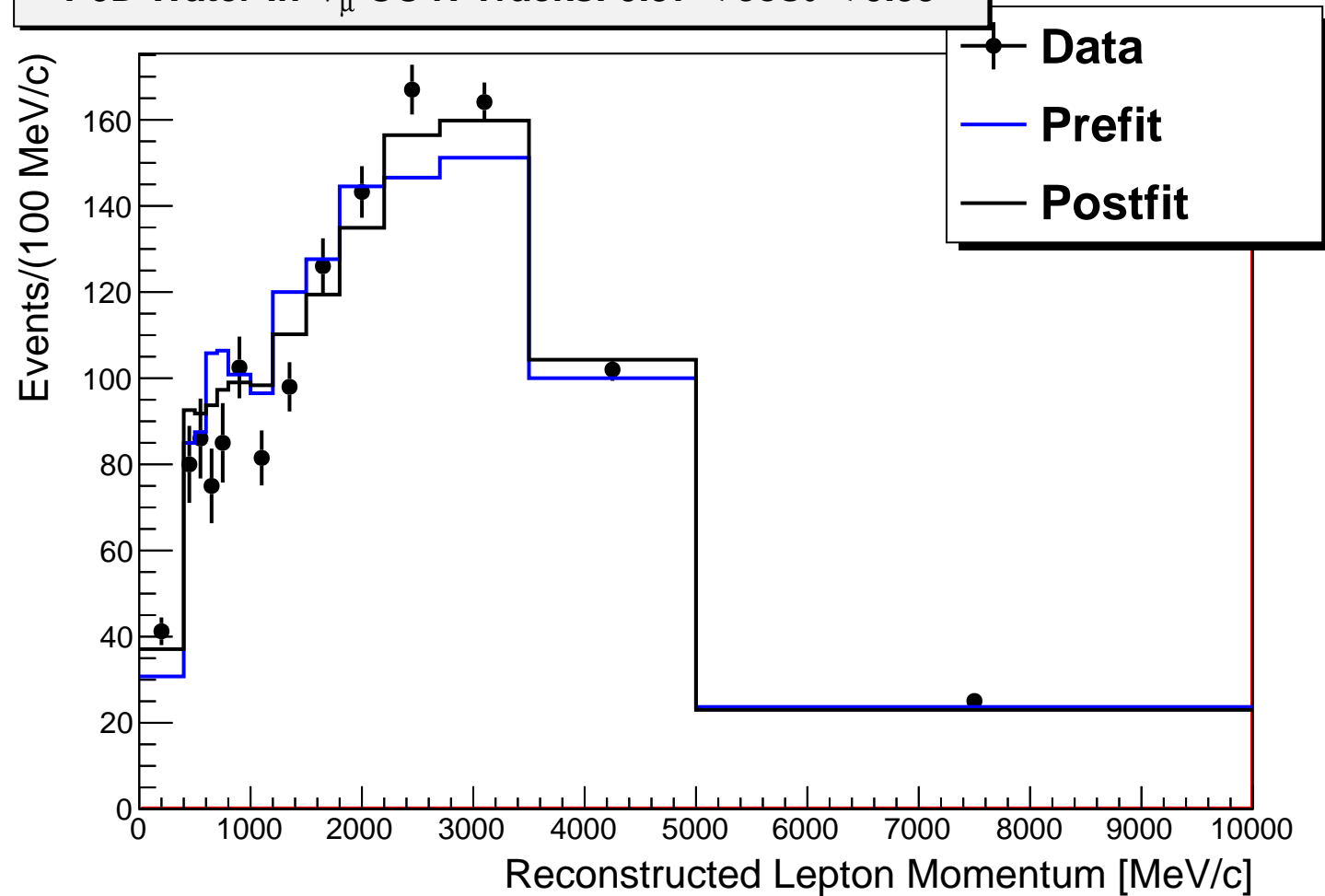
P0D Water-In ν_μ CC N-Tracks: $0.9 < \cos\theta < 0.94$



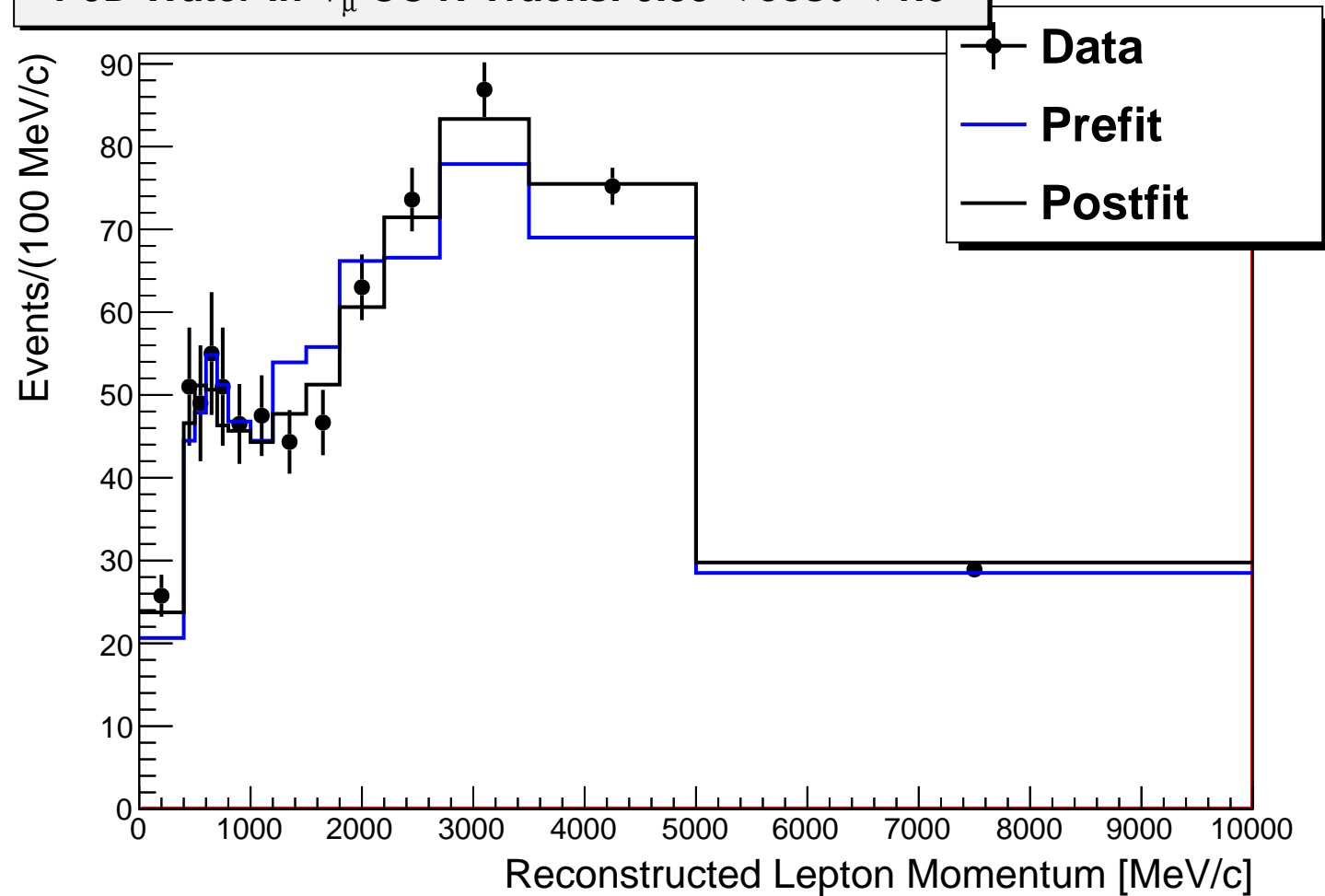
P0D Water-In ν_μ CC N-Tracks: $0.94 < \cos\theta < 0.97$



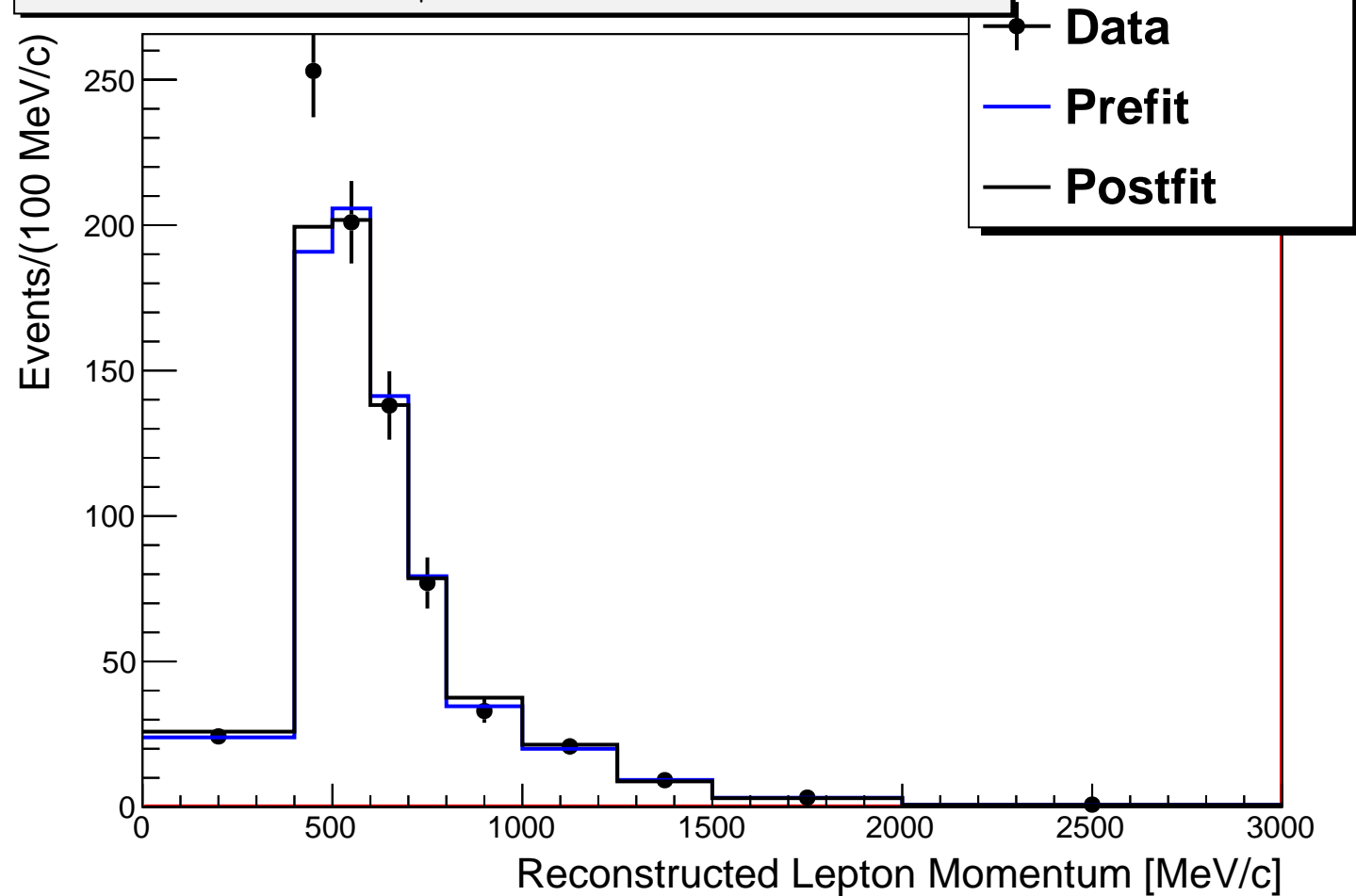
P0D Water-In ν_μ CC N-Tracks: $0.97 < \cos\theta < 0.99$



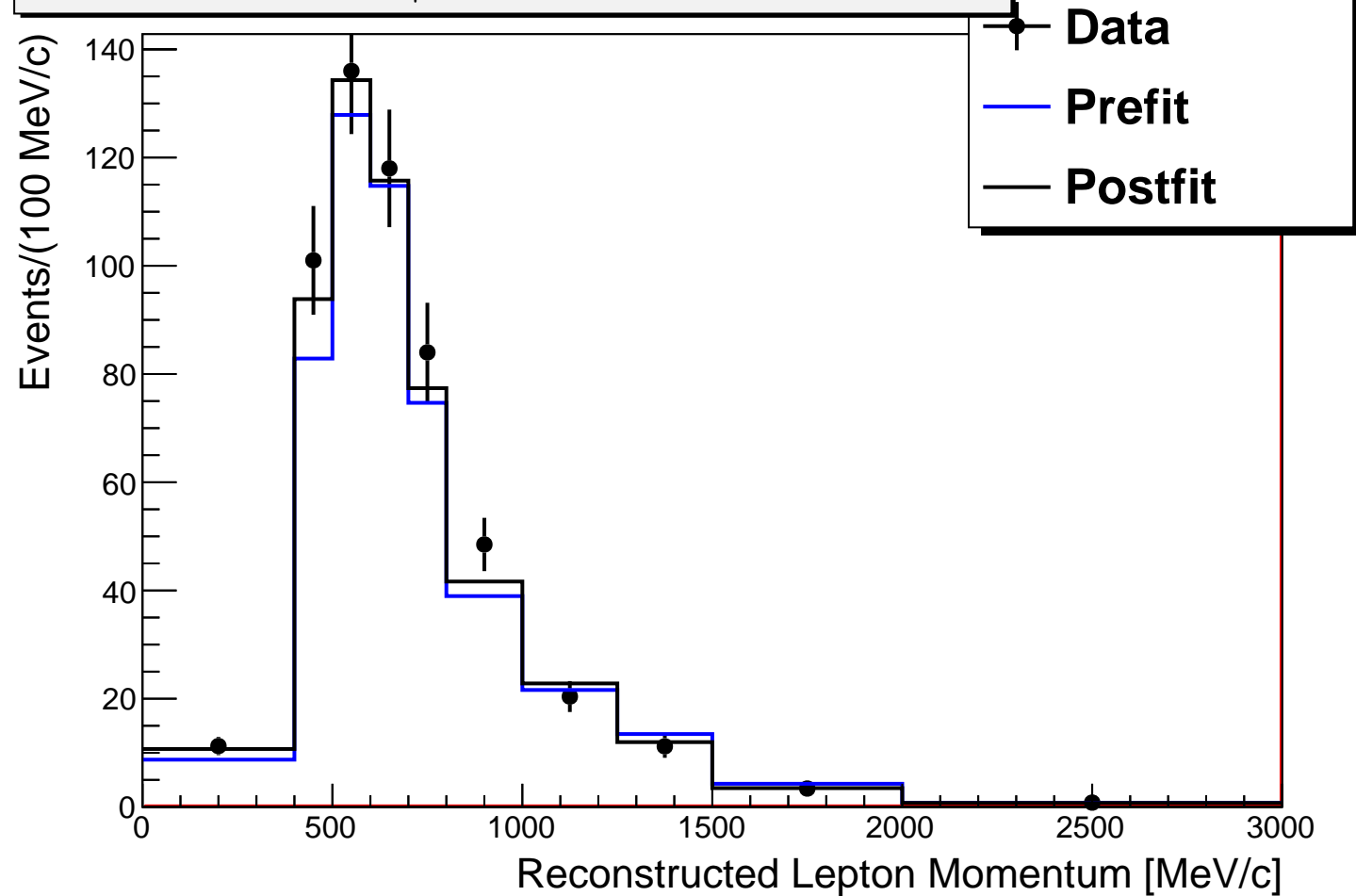
P0D Water-In ν_μ CC N-Tracks: $0.99 < \cos\theta < 1.0$



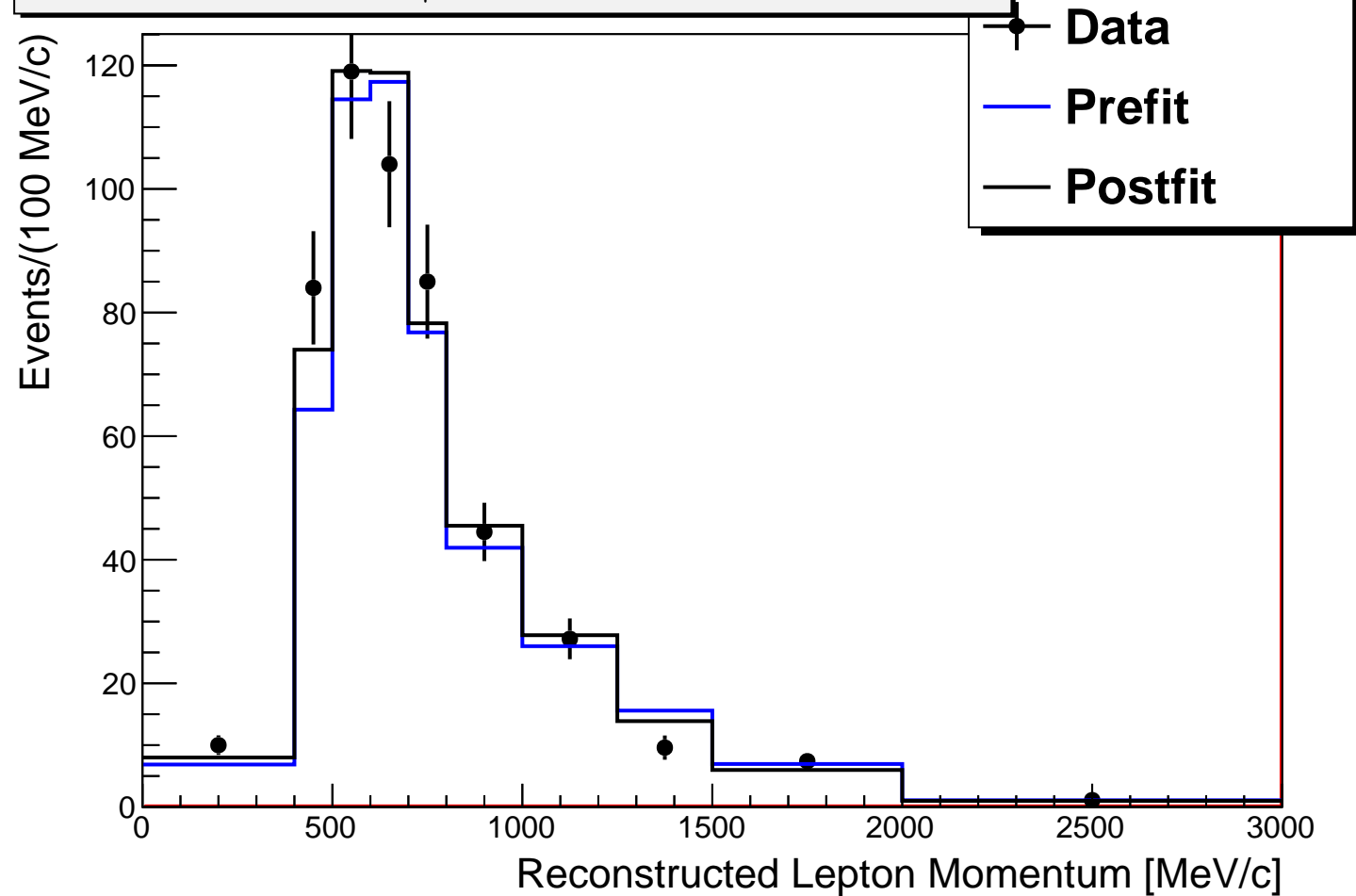
P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $-1.0 < \cos\theta < 0.82$



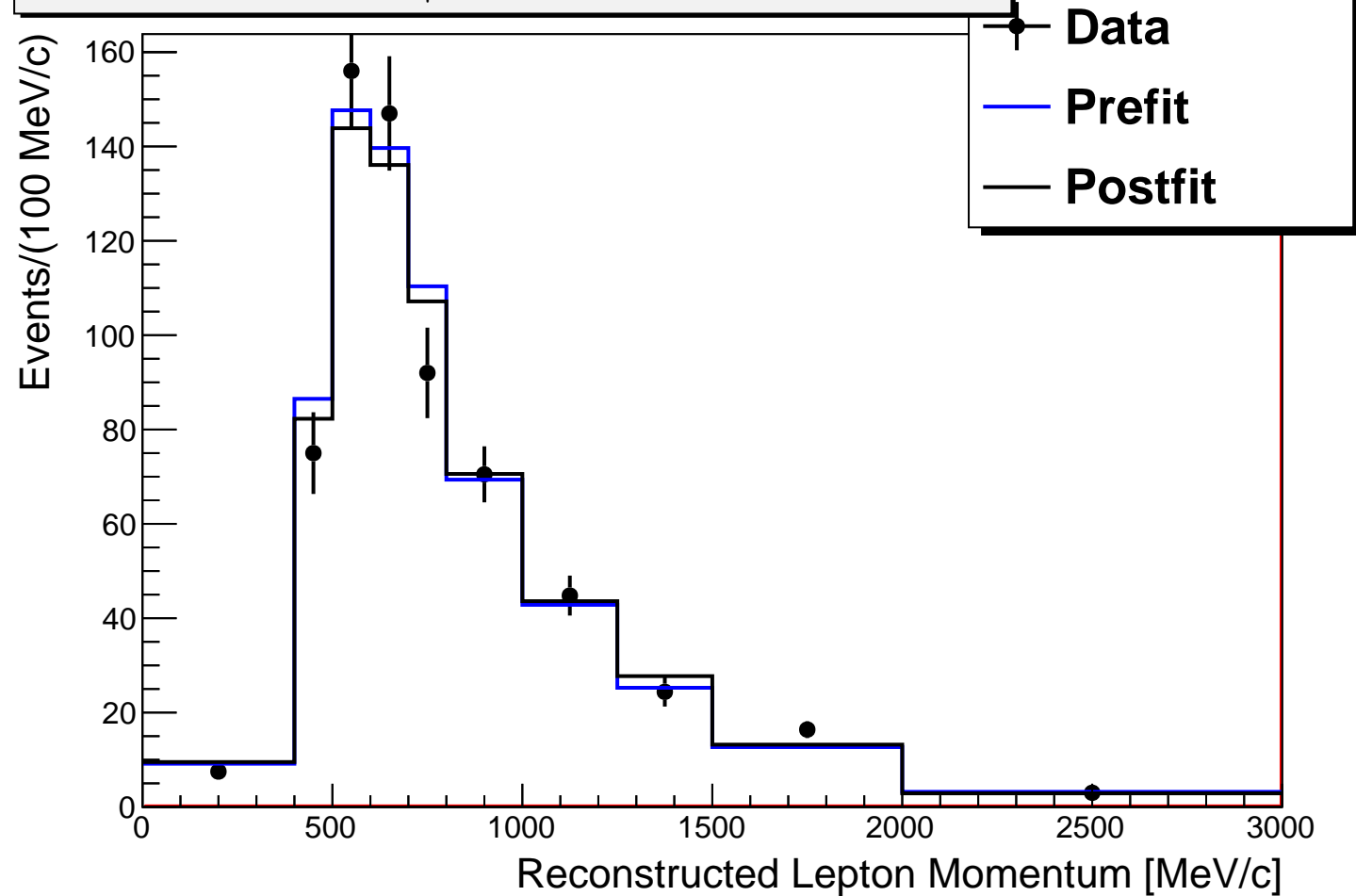
P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.82 < \cos\theta < 0.87$



P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.87 < \cos\theta < 0.9$



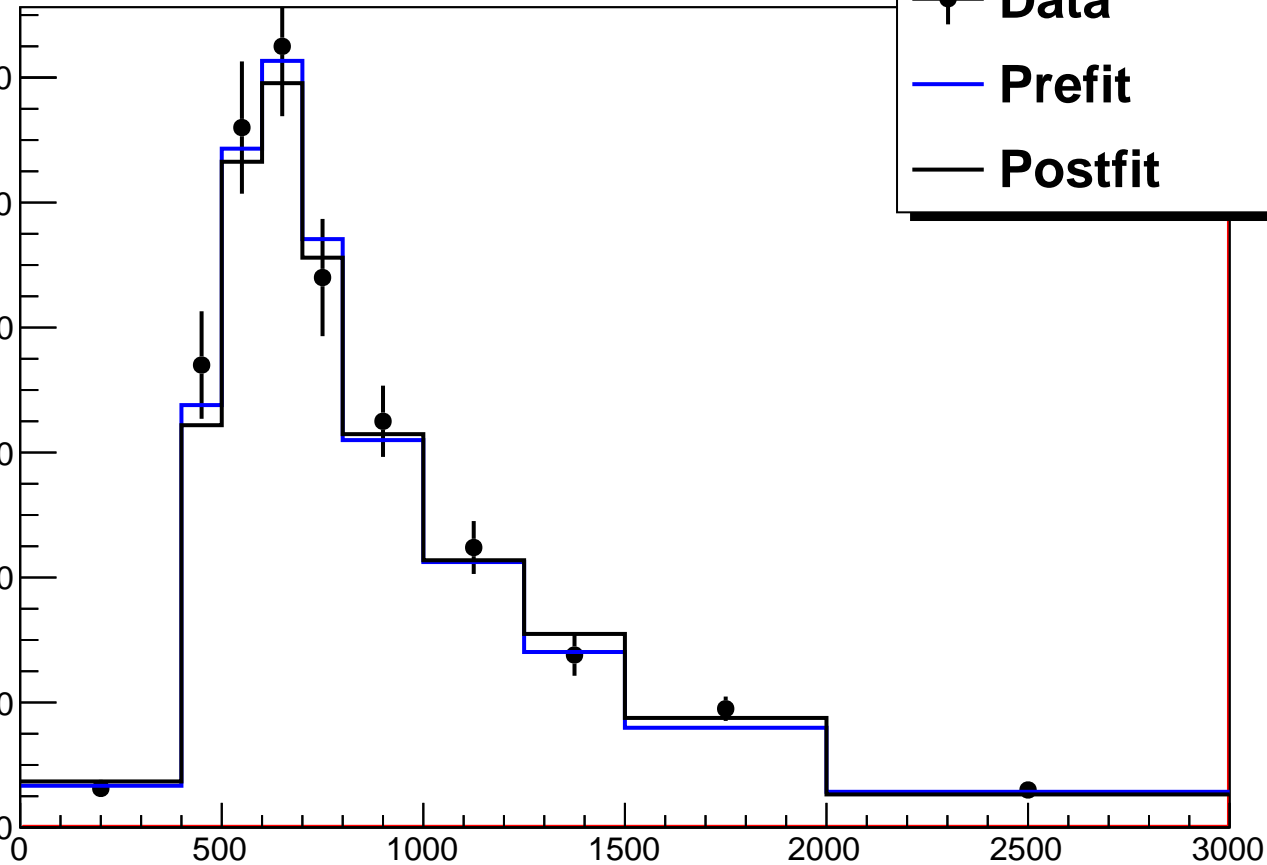
P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.9 < \cos\theta < 0.93$



P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.93 < \cos\theta < 0.95$

Events/(100 MeV/c)

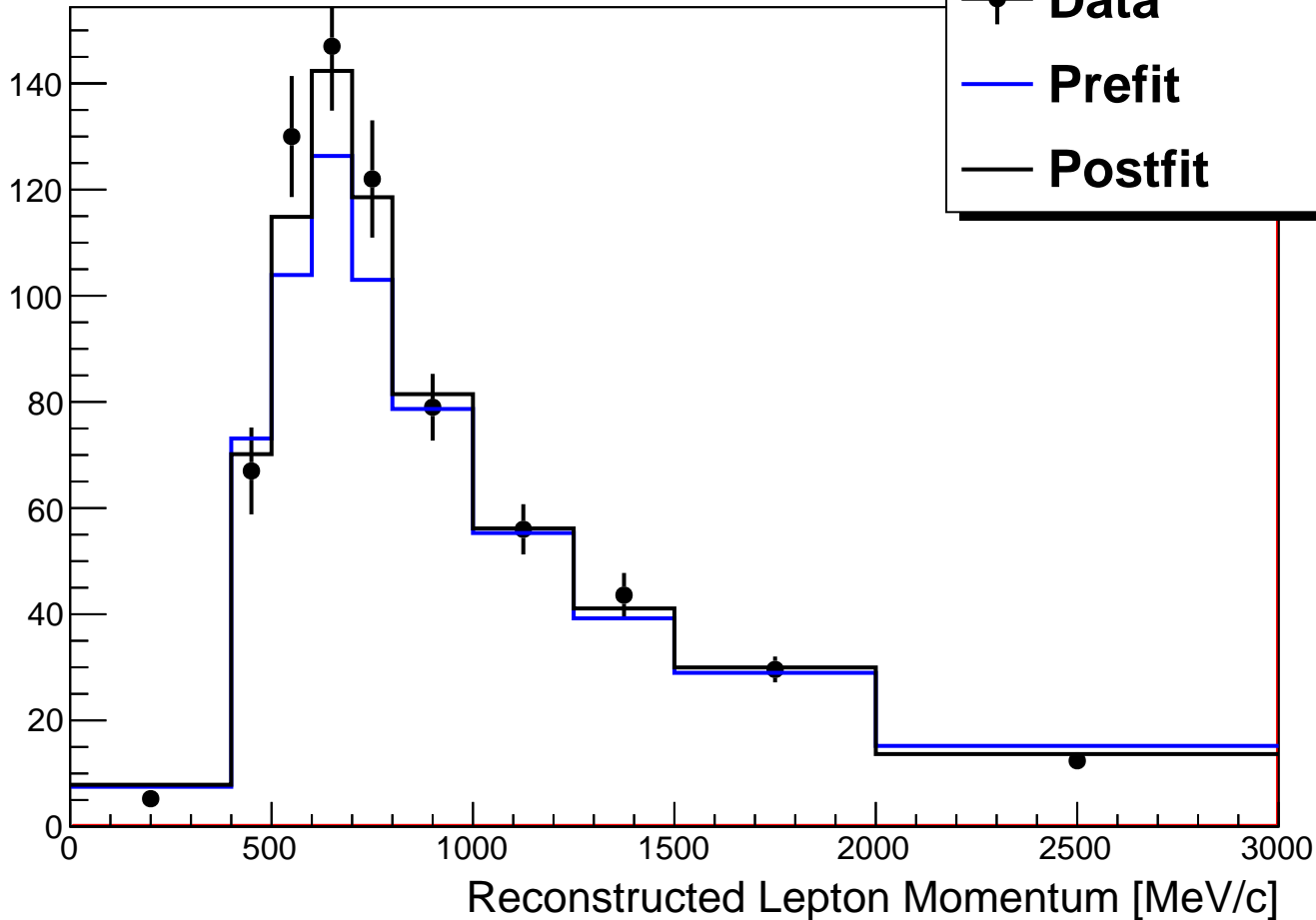
120
100
80
60
40
20
0



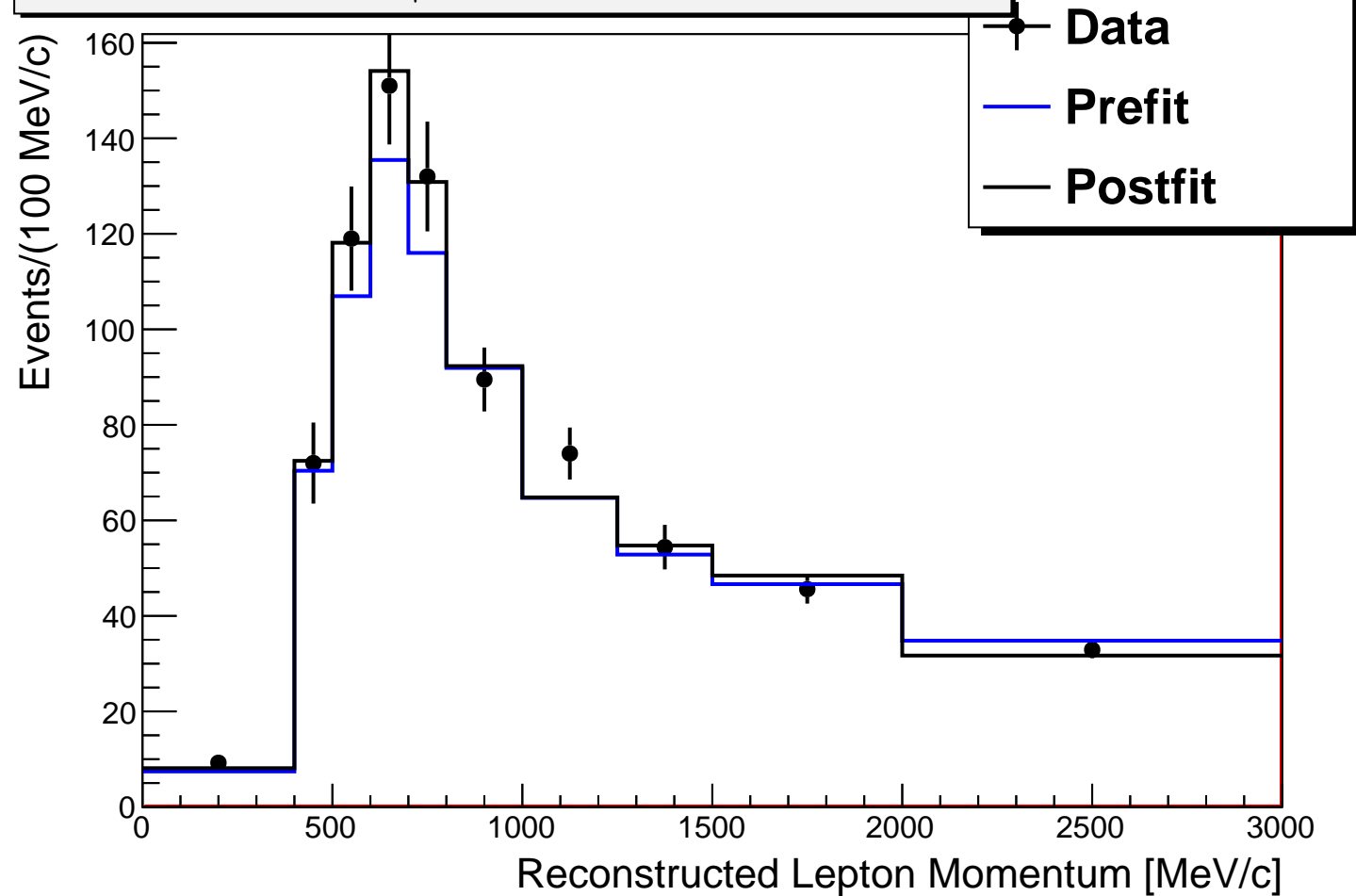
Reconstructed Lepton Momentum [MeV/c]

P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.95 < \cos\theta < 0.97$

Events/(100 MeV/c)



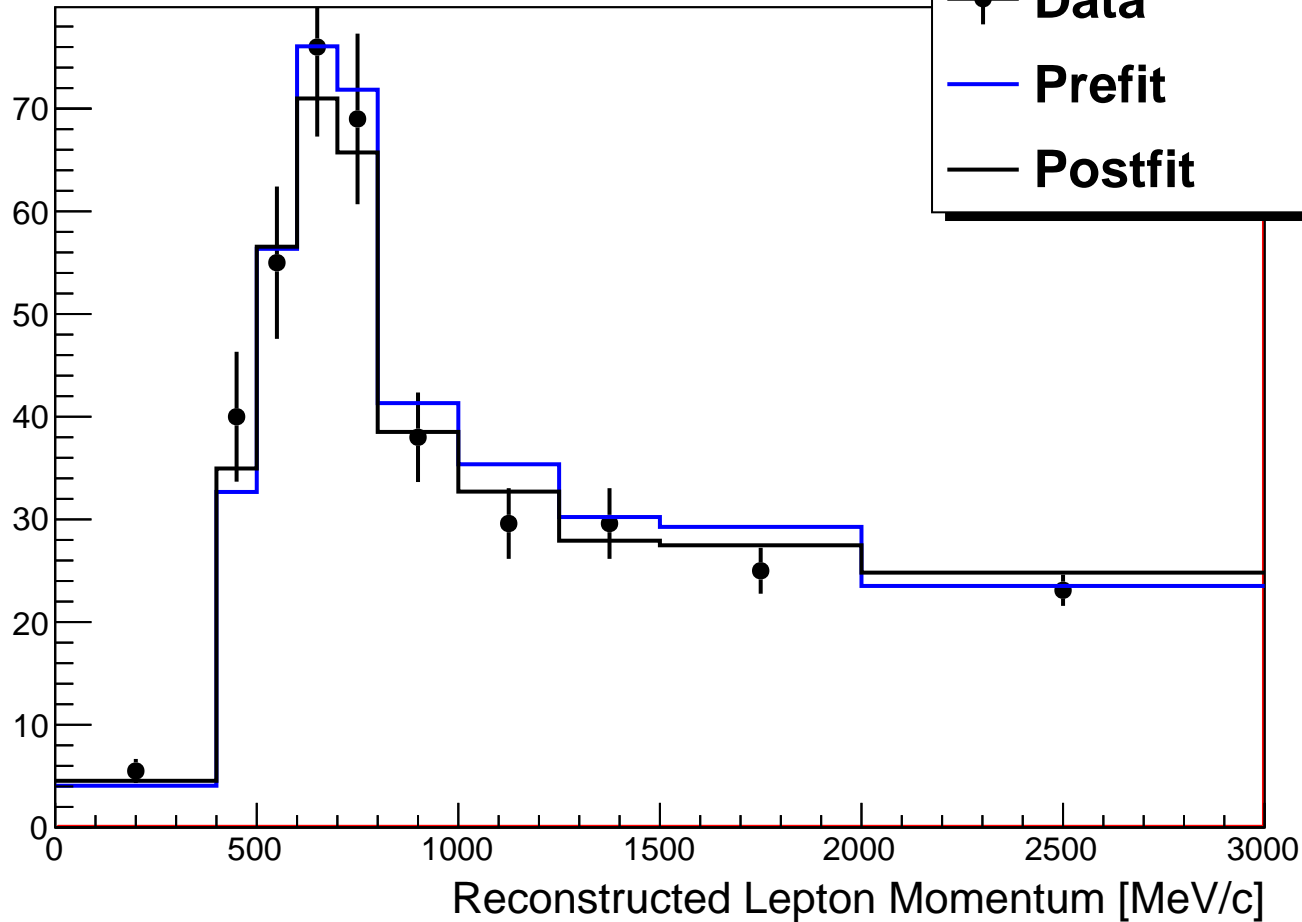
P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.97 < \cos\theta < 0.99$



P0D Water-In RHC $\bar{\nu}_\mu$ CC 1-Track: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

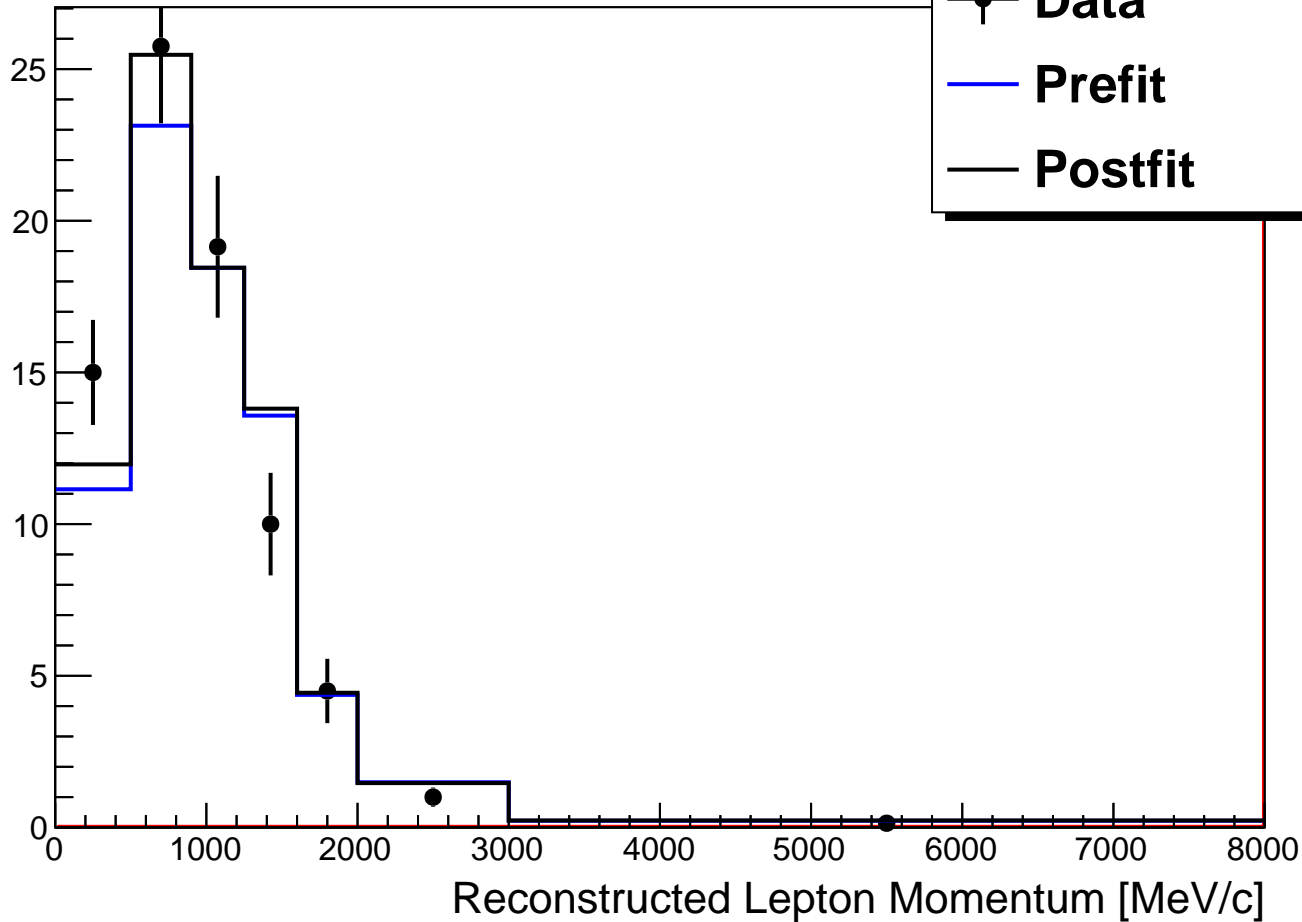
—●— Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $-1.0 < \cos\theta < 0.8$

Events/(100 MeV/c)

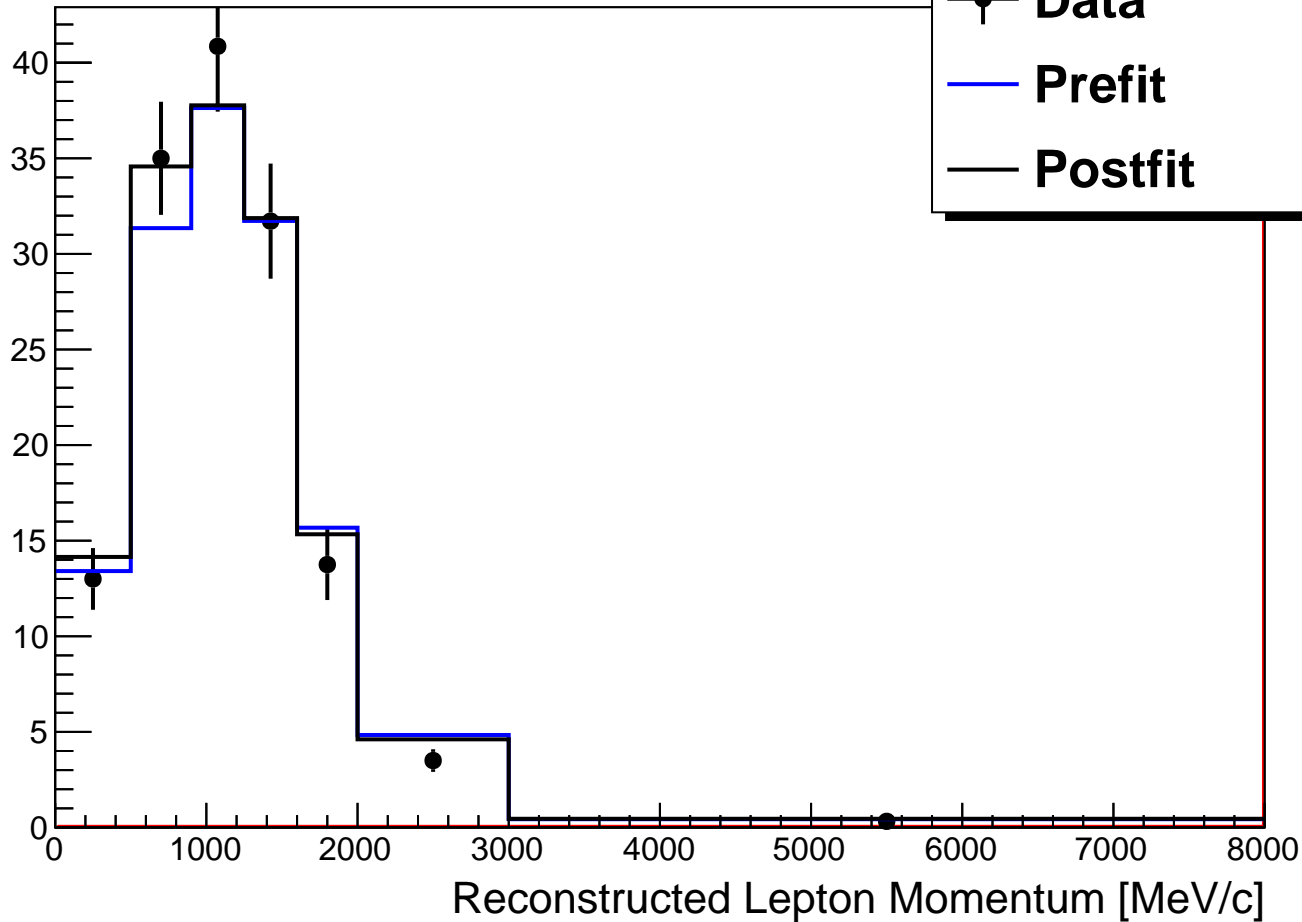
—●— Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.8 < \cos\theta < 0.89$

Events/(100 MeV/c)

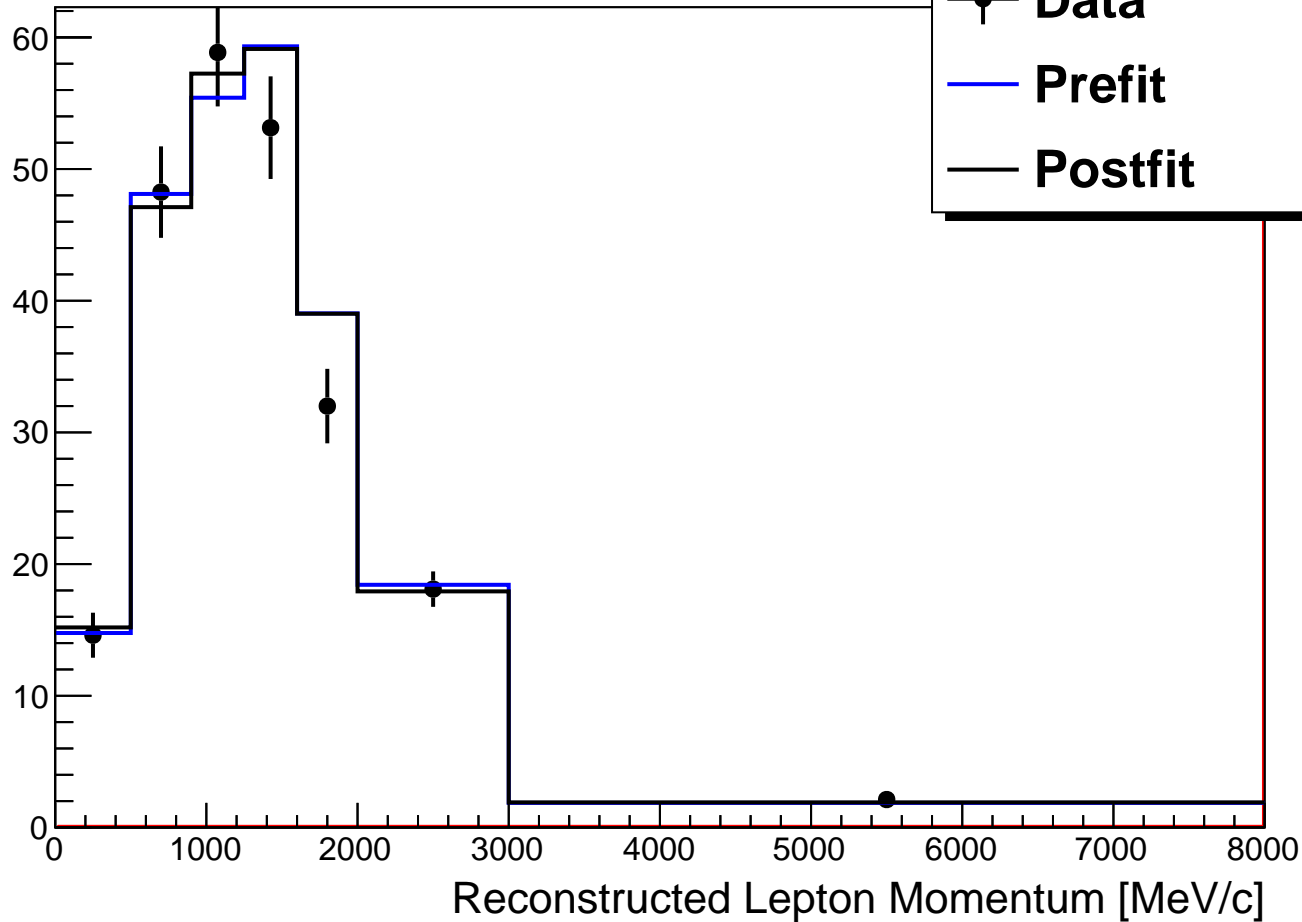
● Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.89 < \cos\theta < 0.95$

Events/(100 MeV/c)

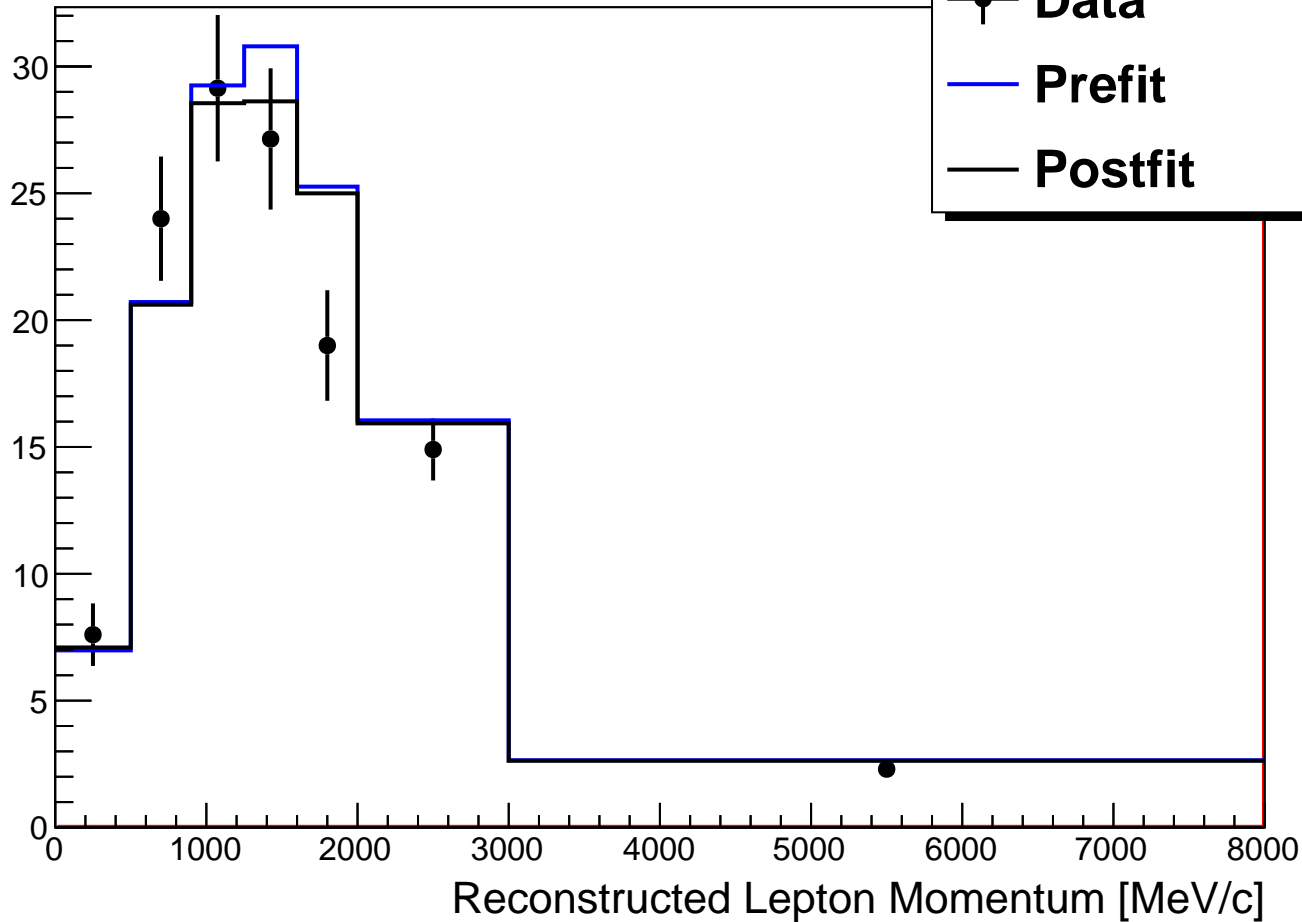
—●— Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.95 < \cos\theta < 0.97$

Events/(100 MeV/c)

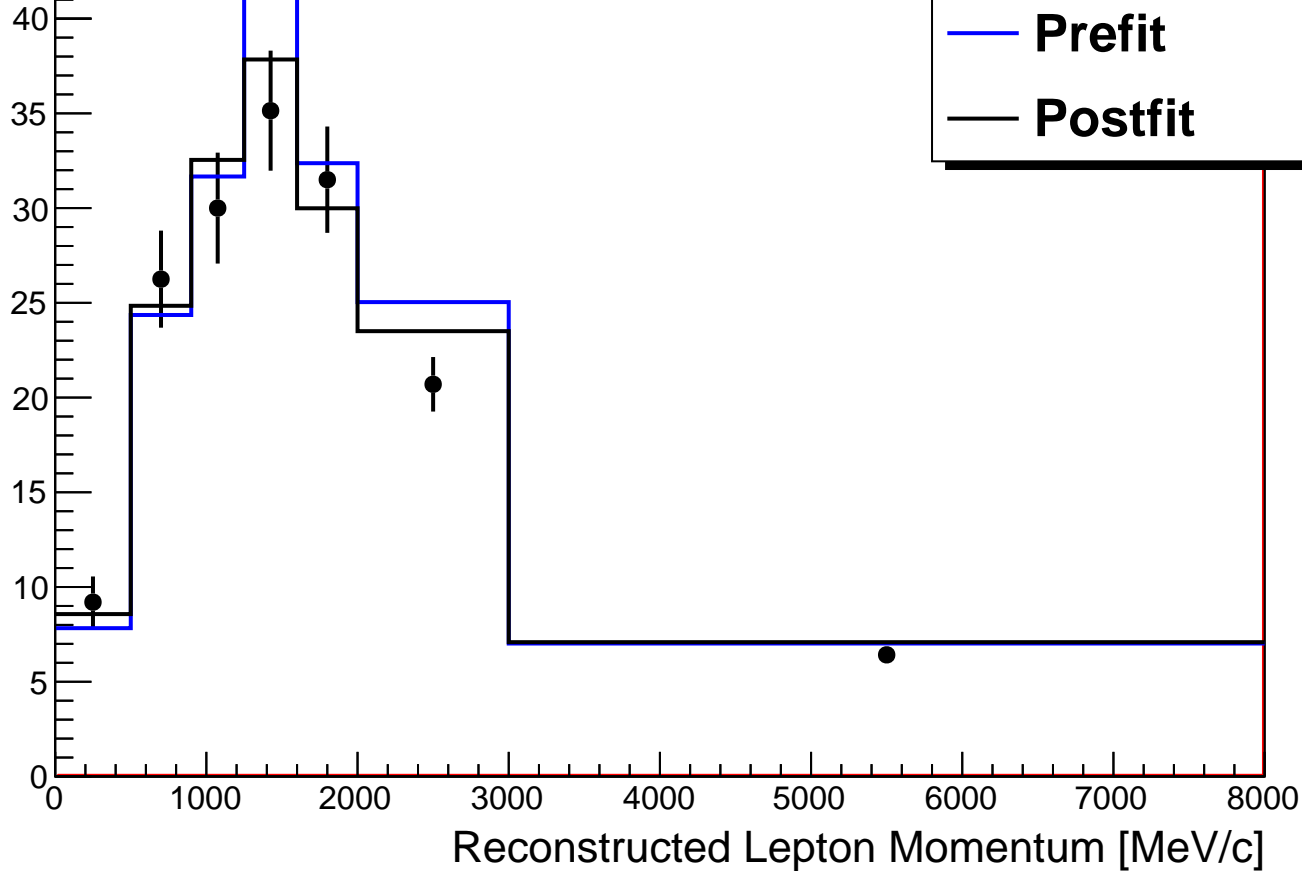
● Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.97 < \cos\theta < 0.99$

Events/(100 MeV/c)

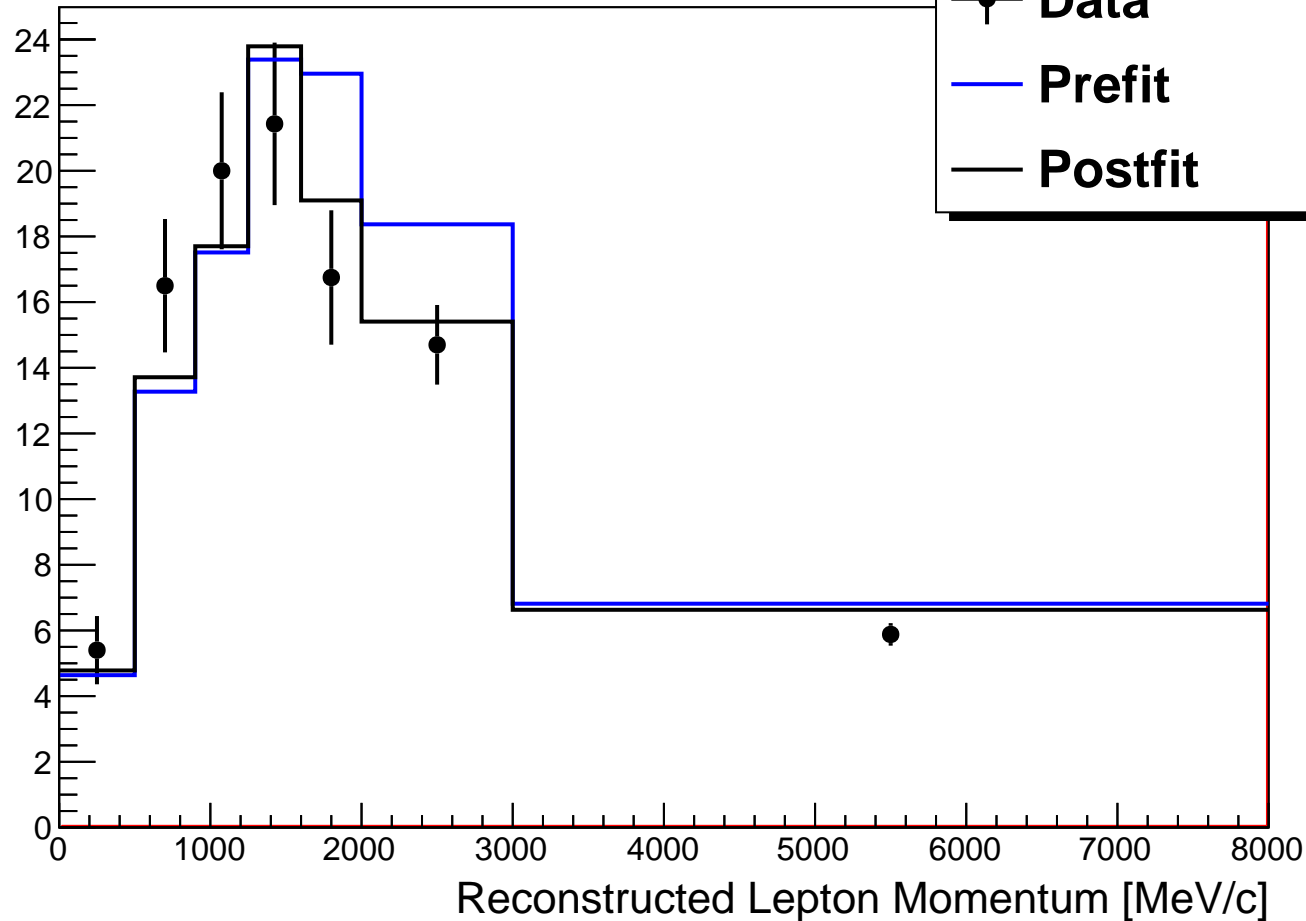
—●— Data
— Prefit
— Postfit



P0D Water-In RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

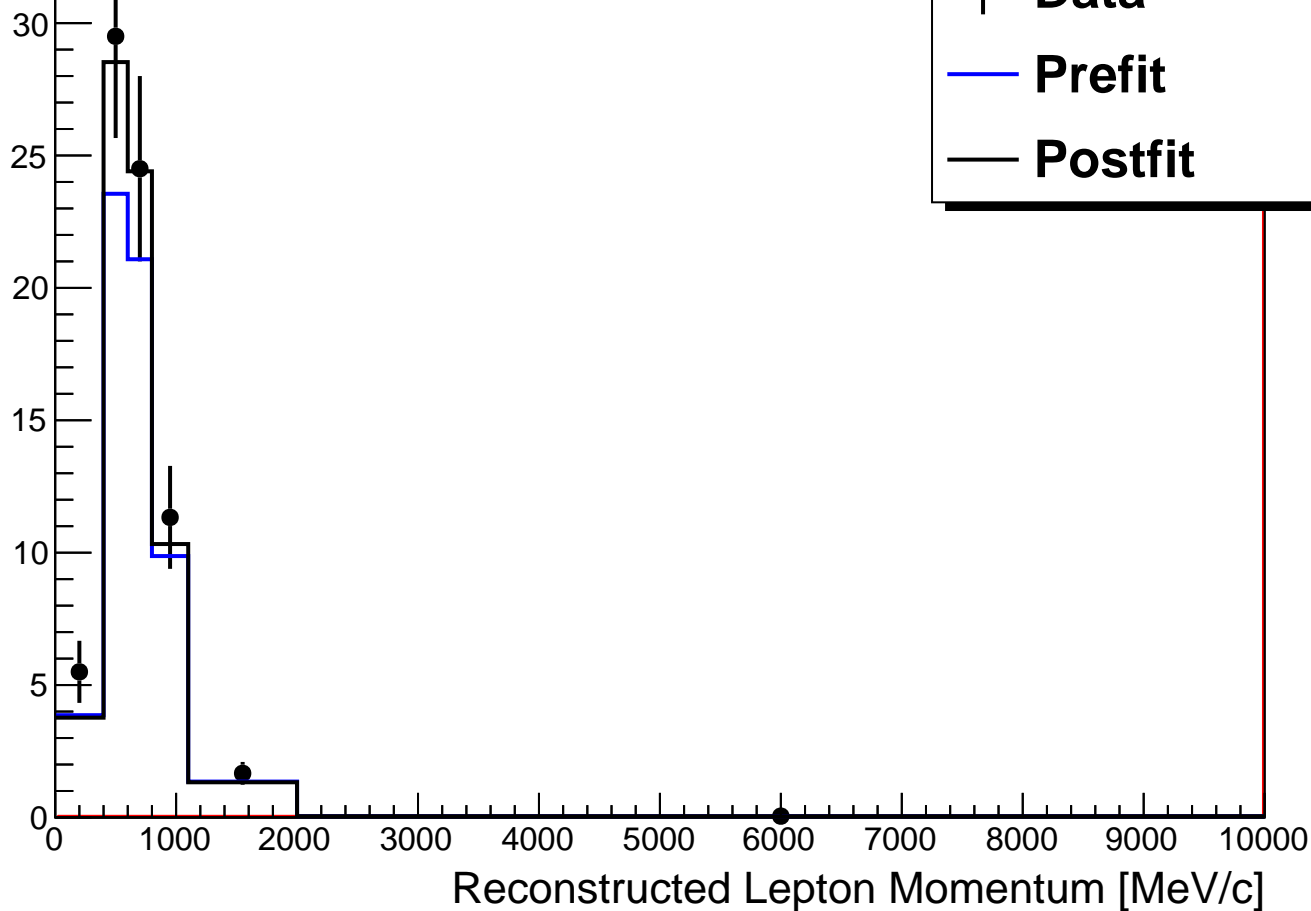
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $-1.0 < \cos\theta < 0.78$

Events/(100 MeV/c)

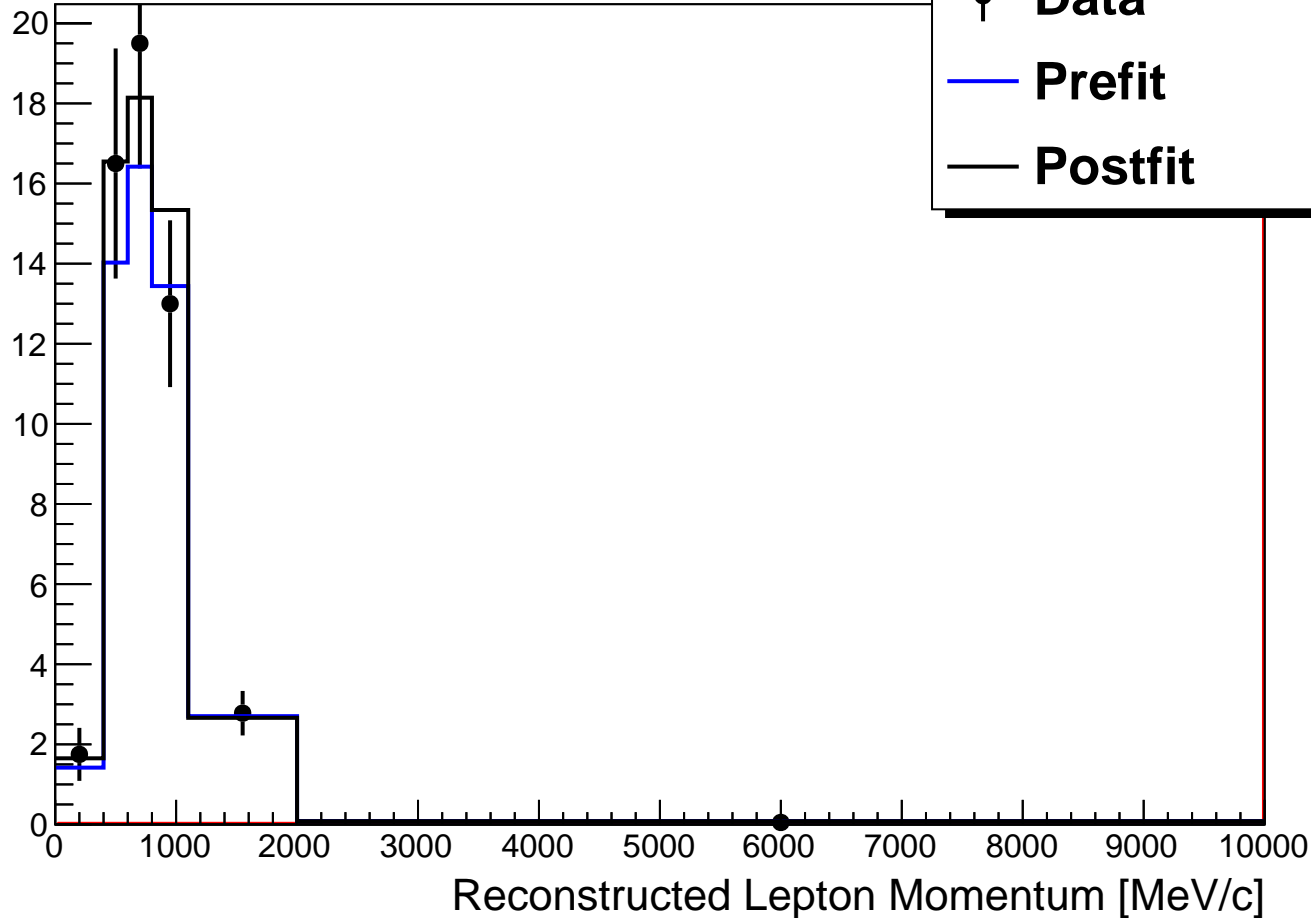
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.78 < \cos\theta < 0.84$

Events/(100 MeV/c)

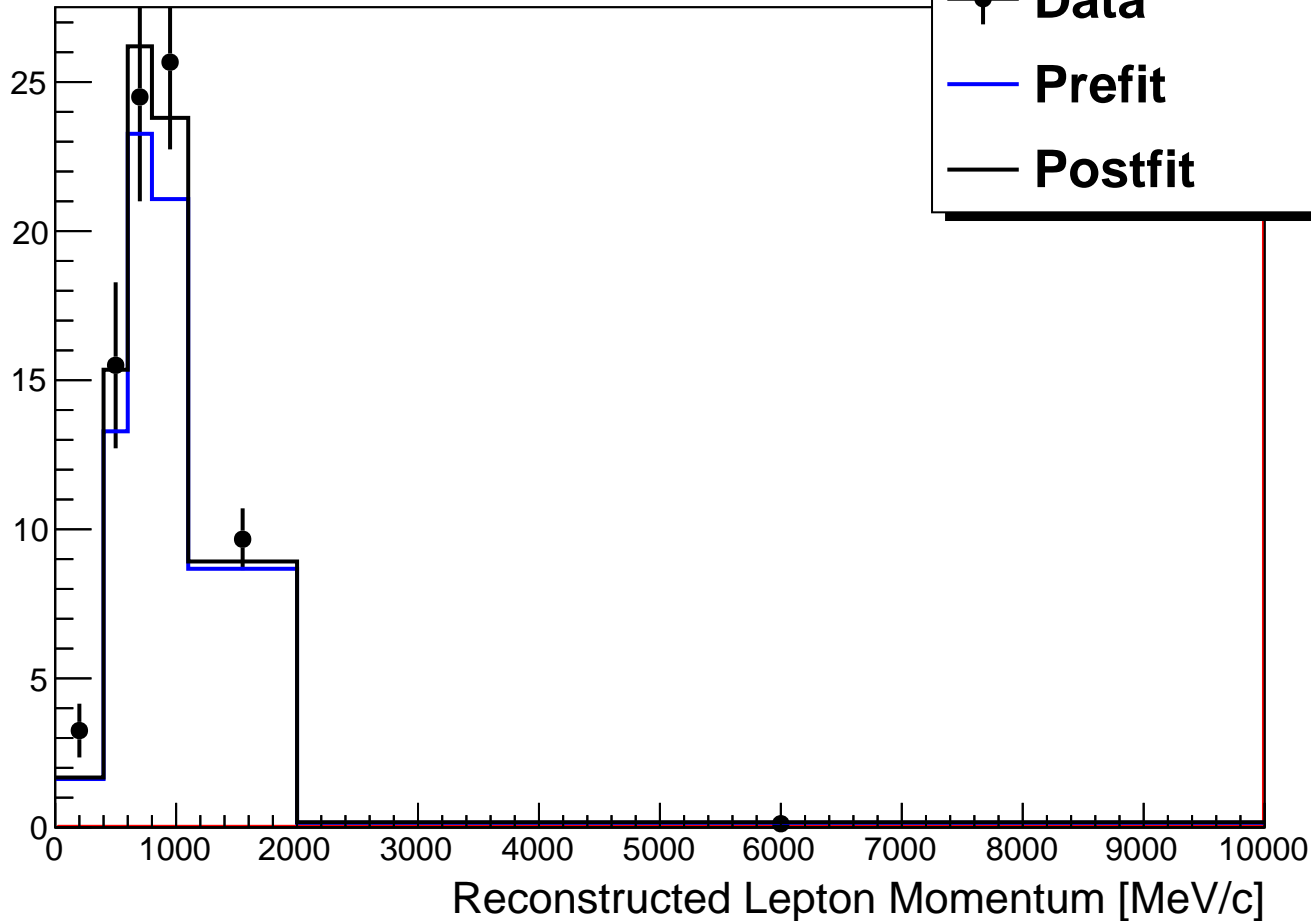
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.84 < \cos\theta < 0.89$

Events/(100 MeV/c)

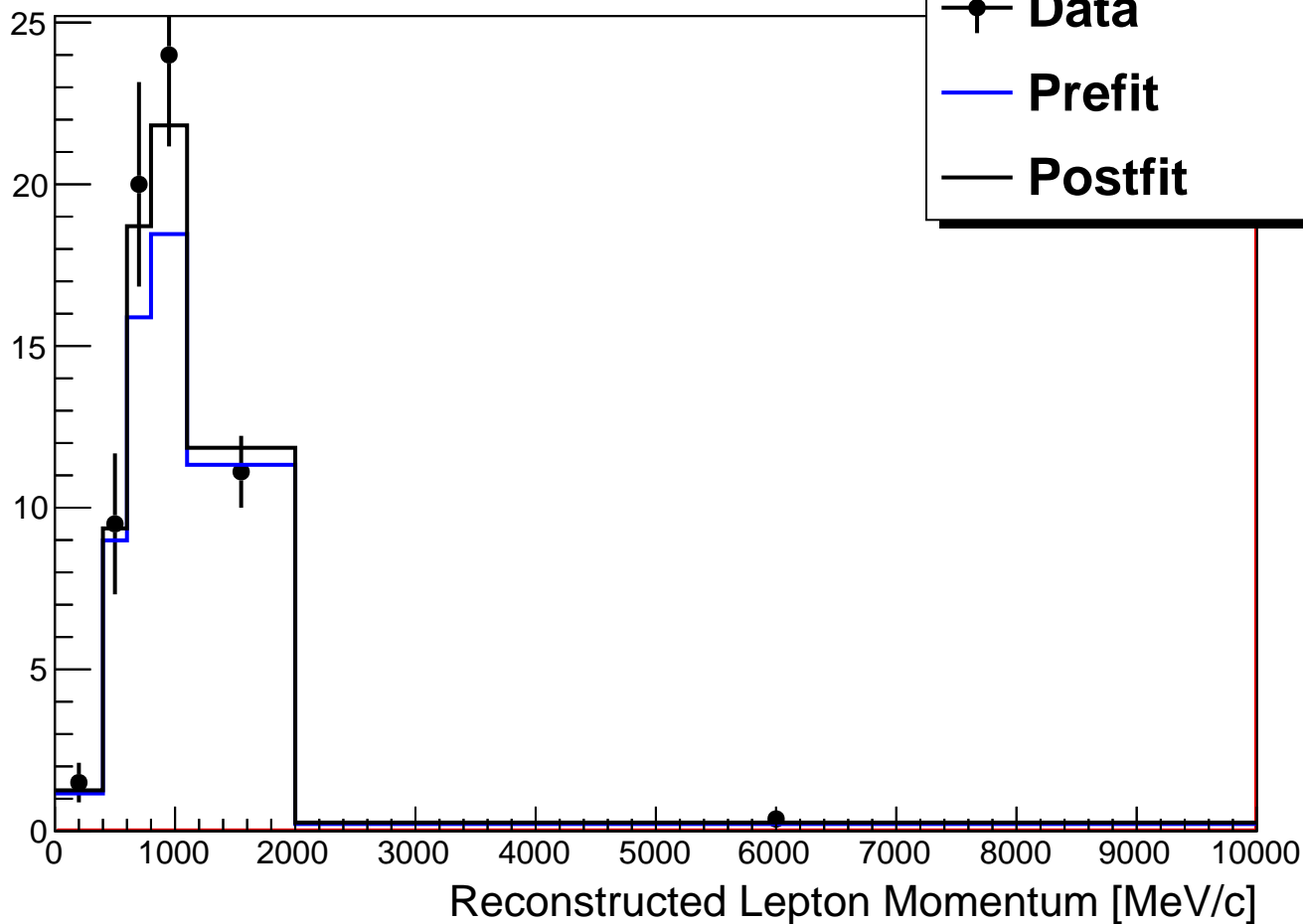
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.89 < \cos\theta < 0.92$

Events/(100 MeV/c)

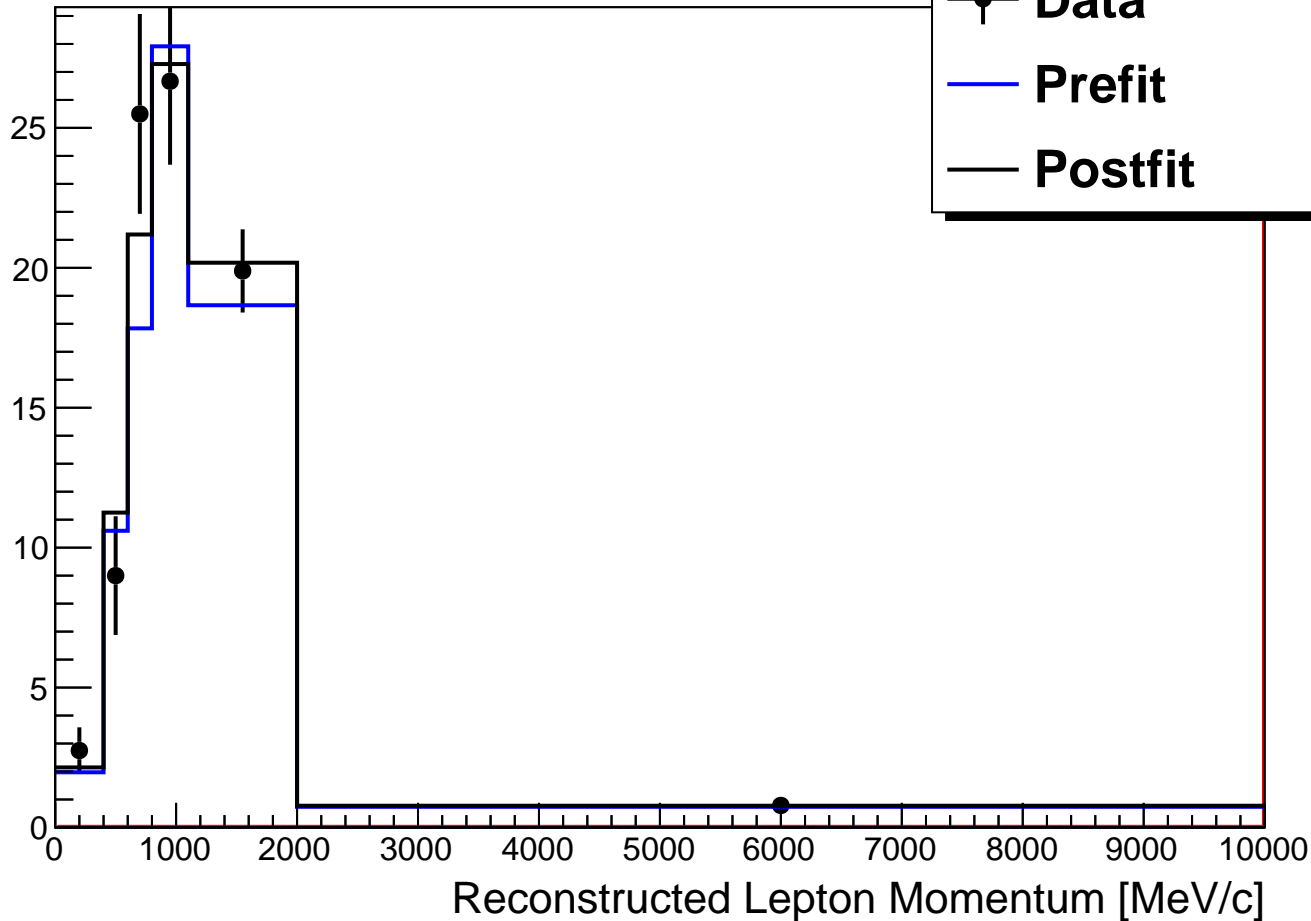
● Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.92 < \cos\theta < 0.95$

Events/(100 MeV/c)

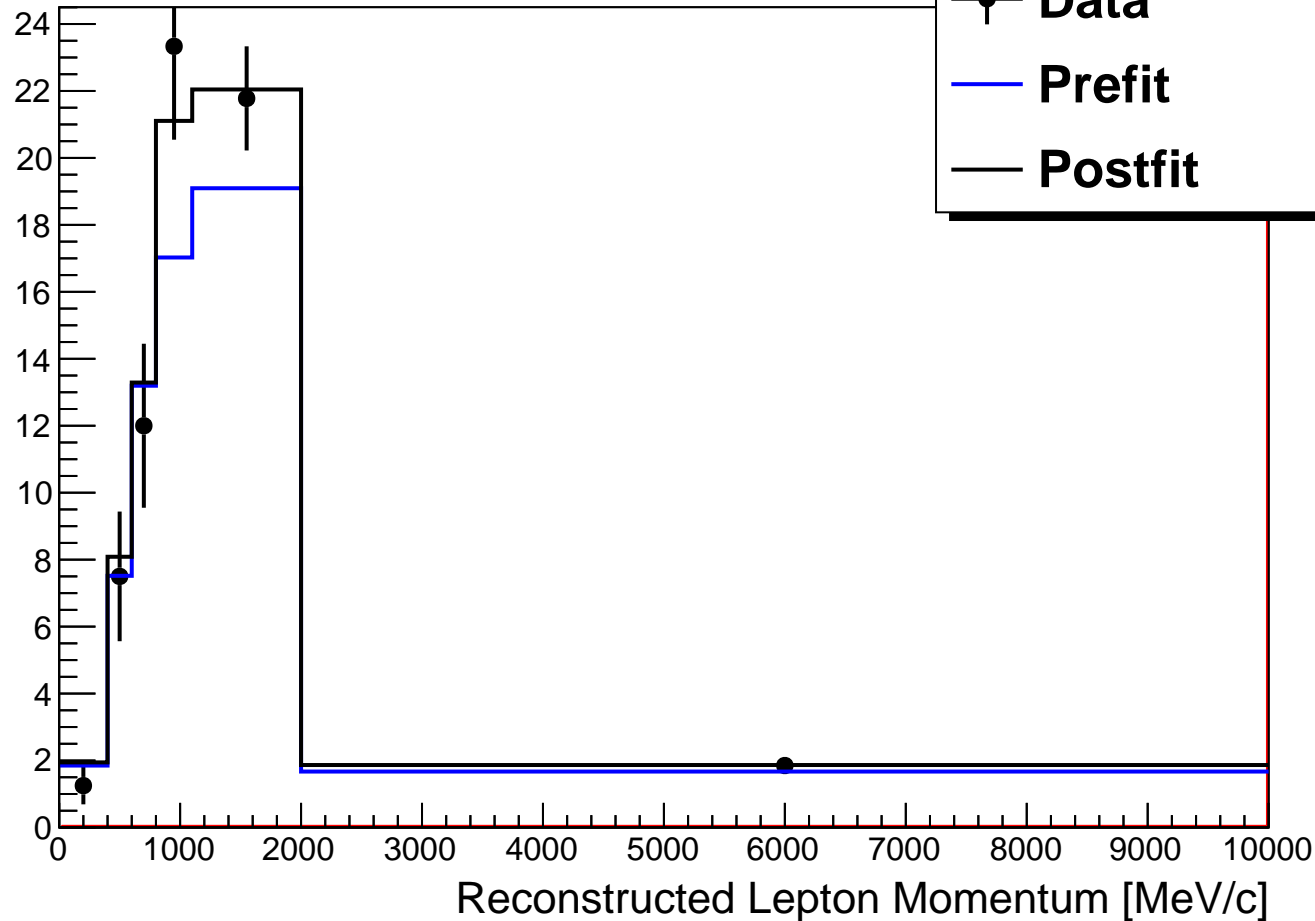
● Data
— Prefit
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P0D Water-In RHC ν_μ CC 1-Track: $0.95 < \cos\theta < 0.97$

Events/(100 MeV/c)

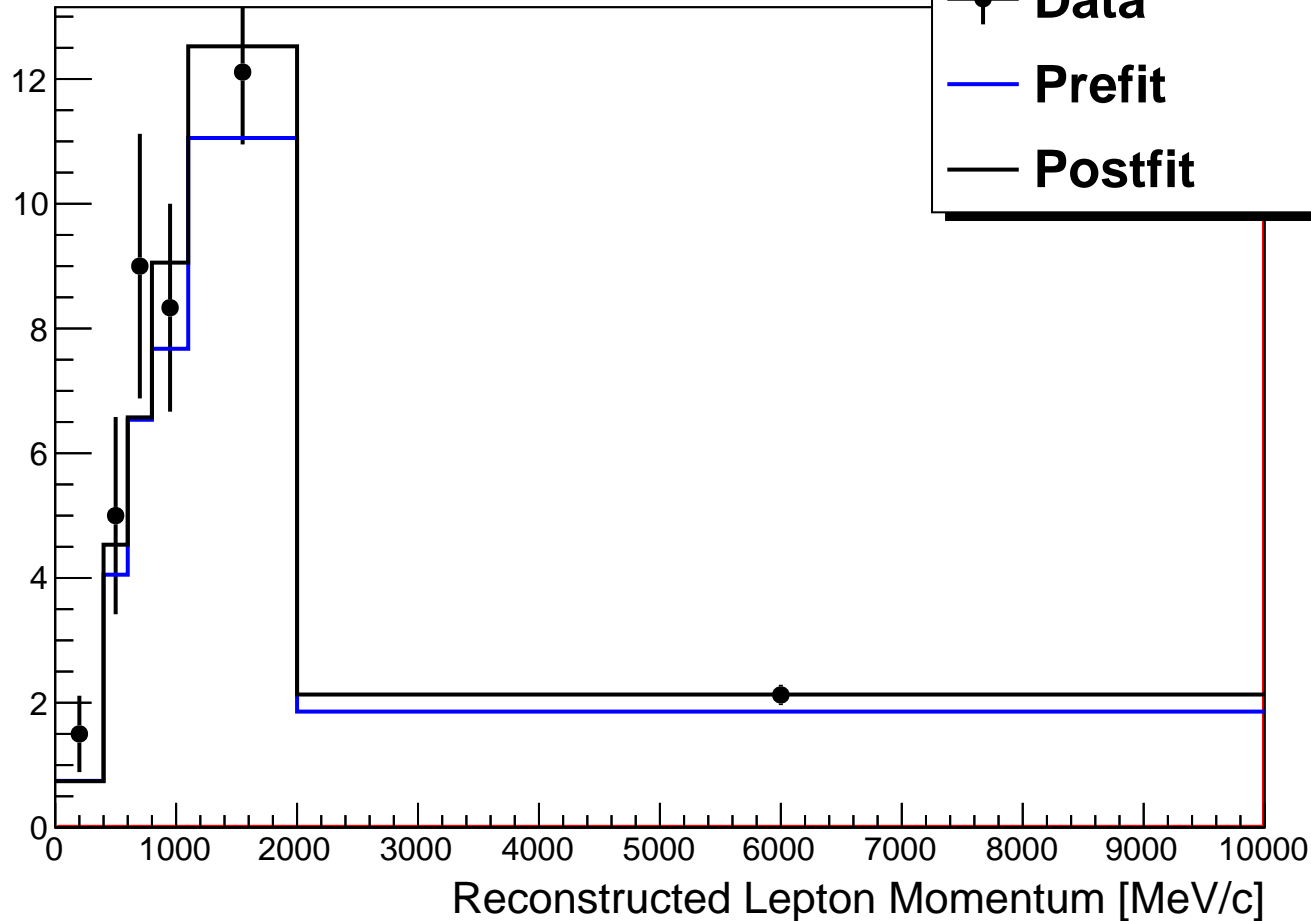
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.97 < \cos\theta < 0.98$

Events/(100 MeV/c)

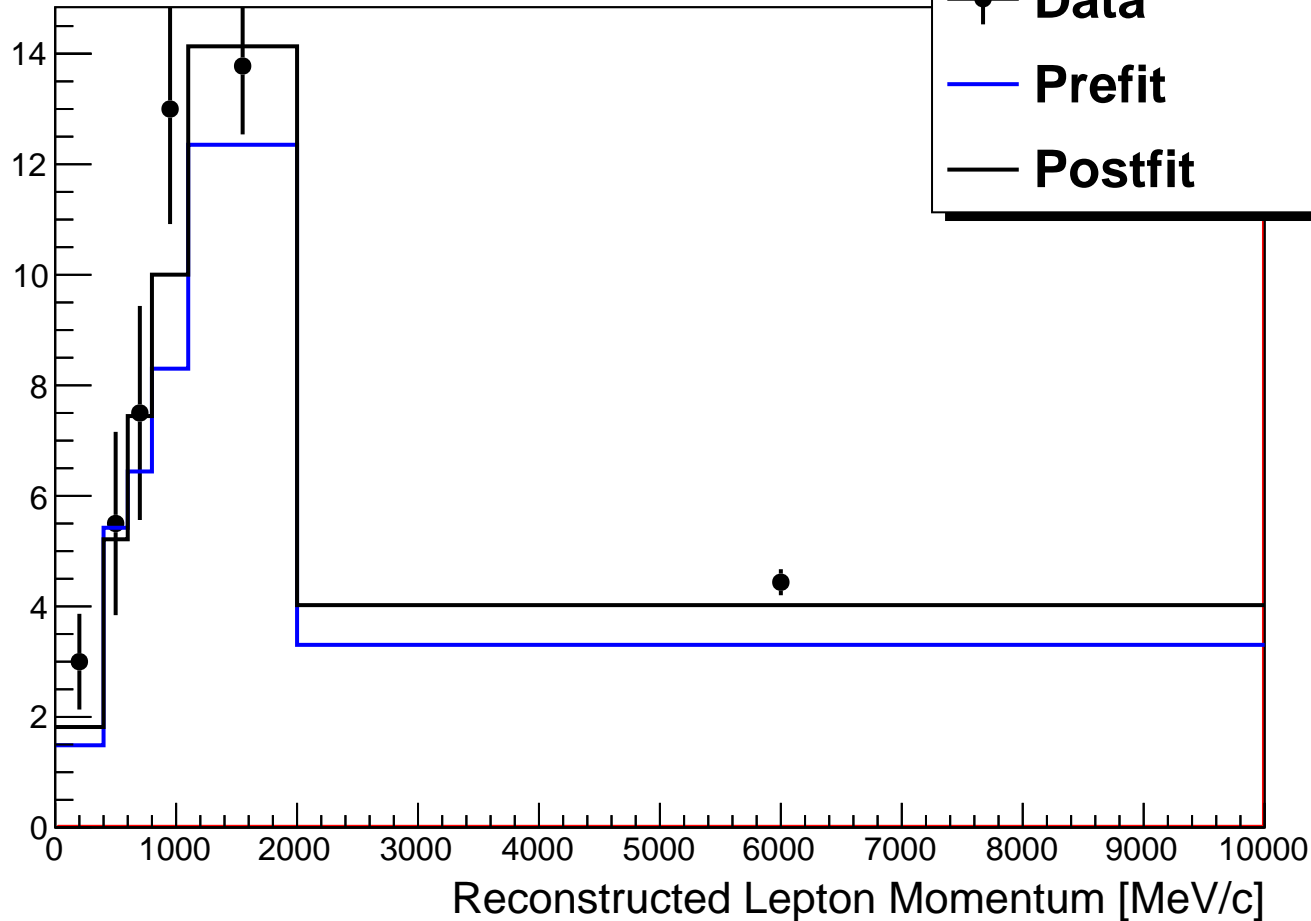
● Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.98 < \cos\theta < 0.99$

Events/(100 MeV/c)

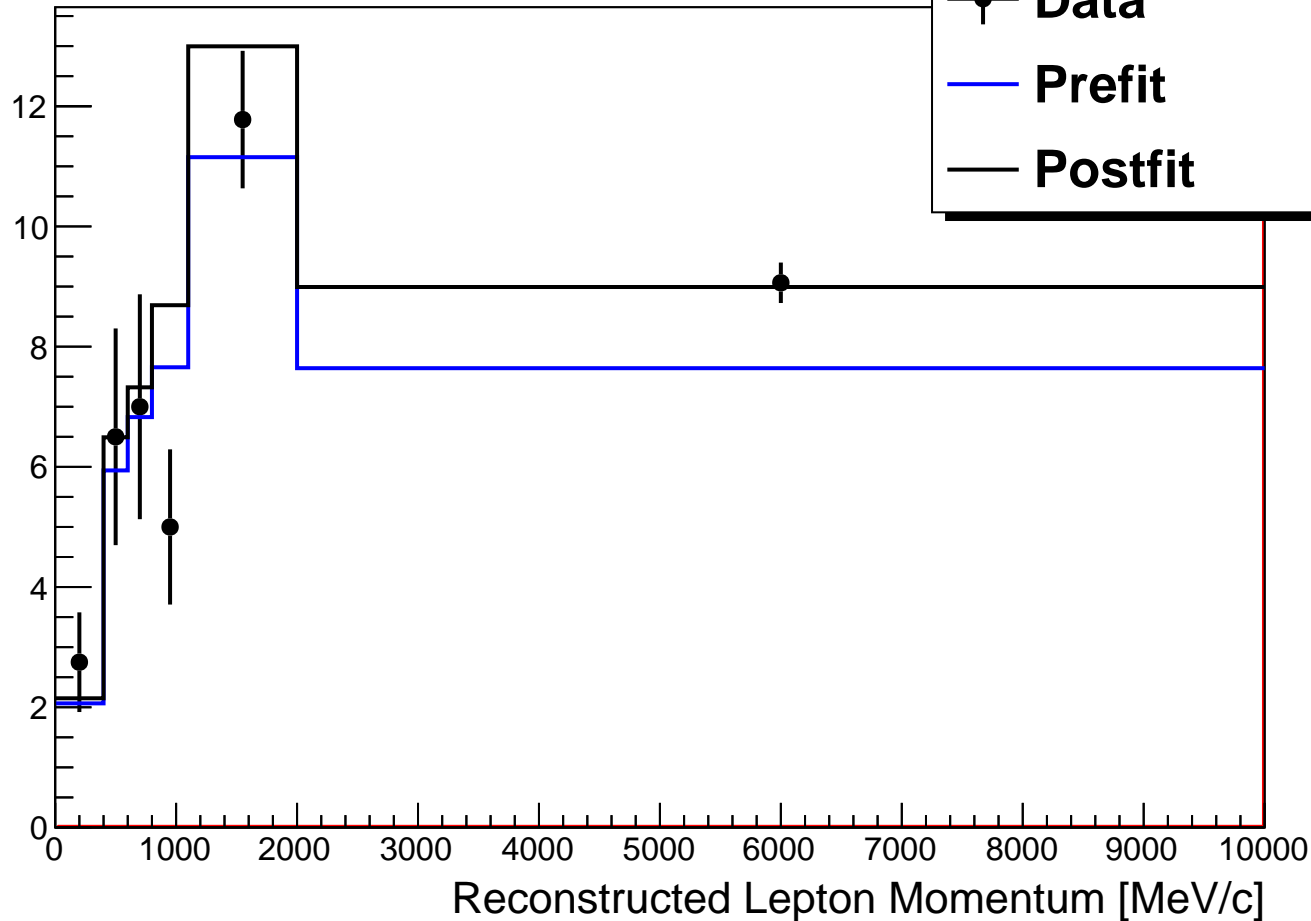
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC 1-Track: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

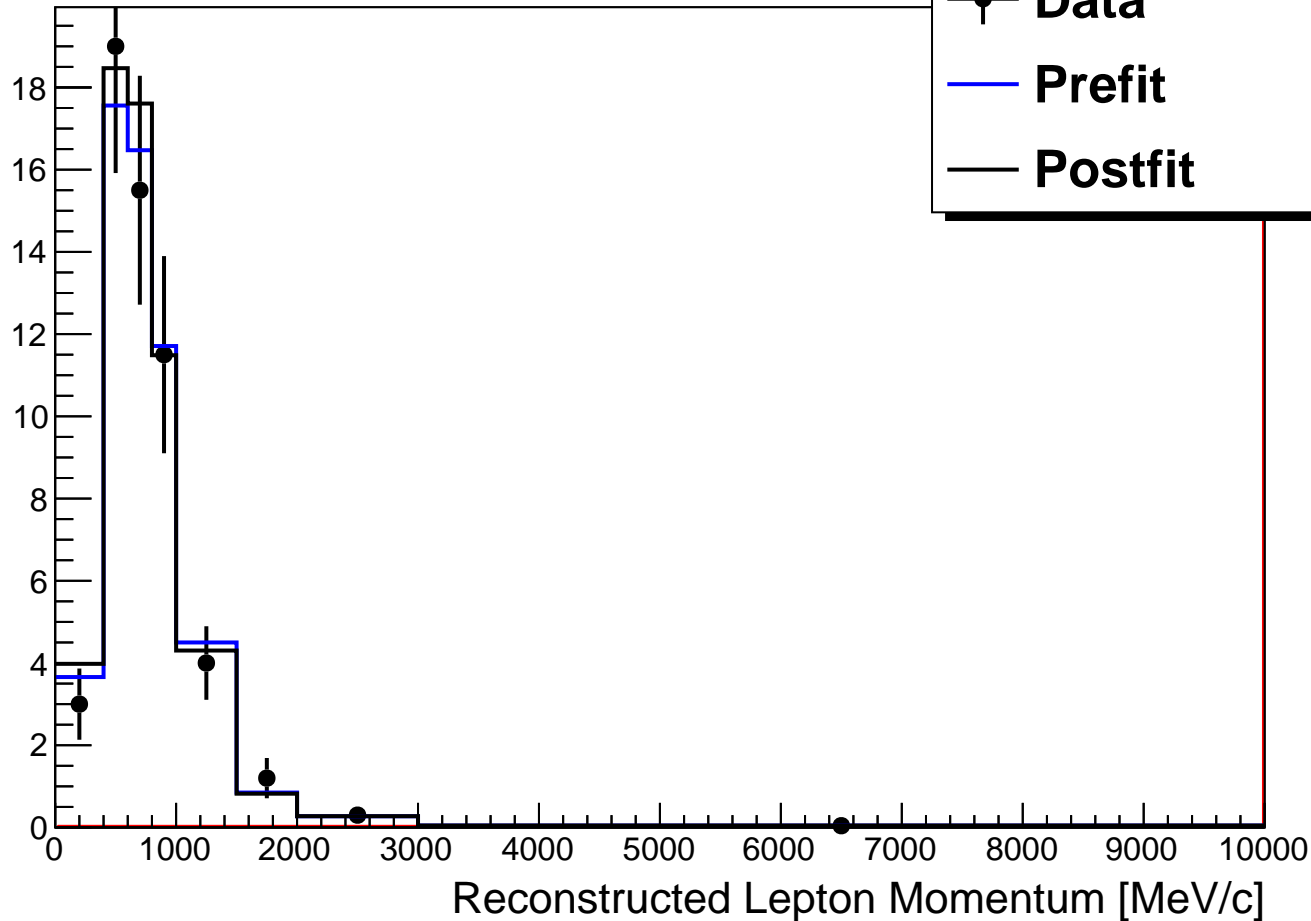
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC N-Tracks: $-1.0 < \cos\theta < 0.7$

Events/(100 MeV/c)

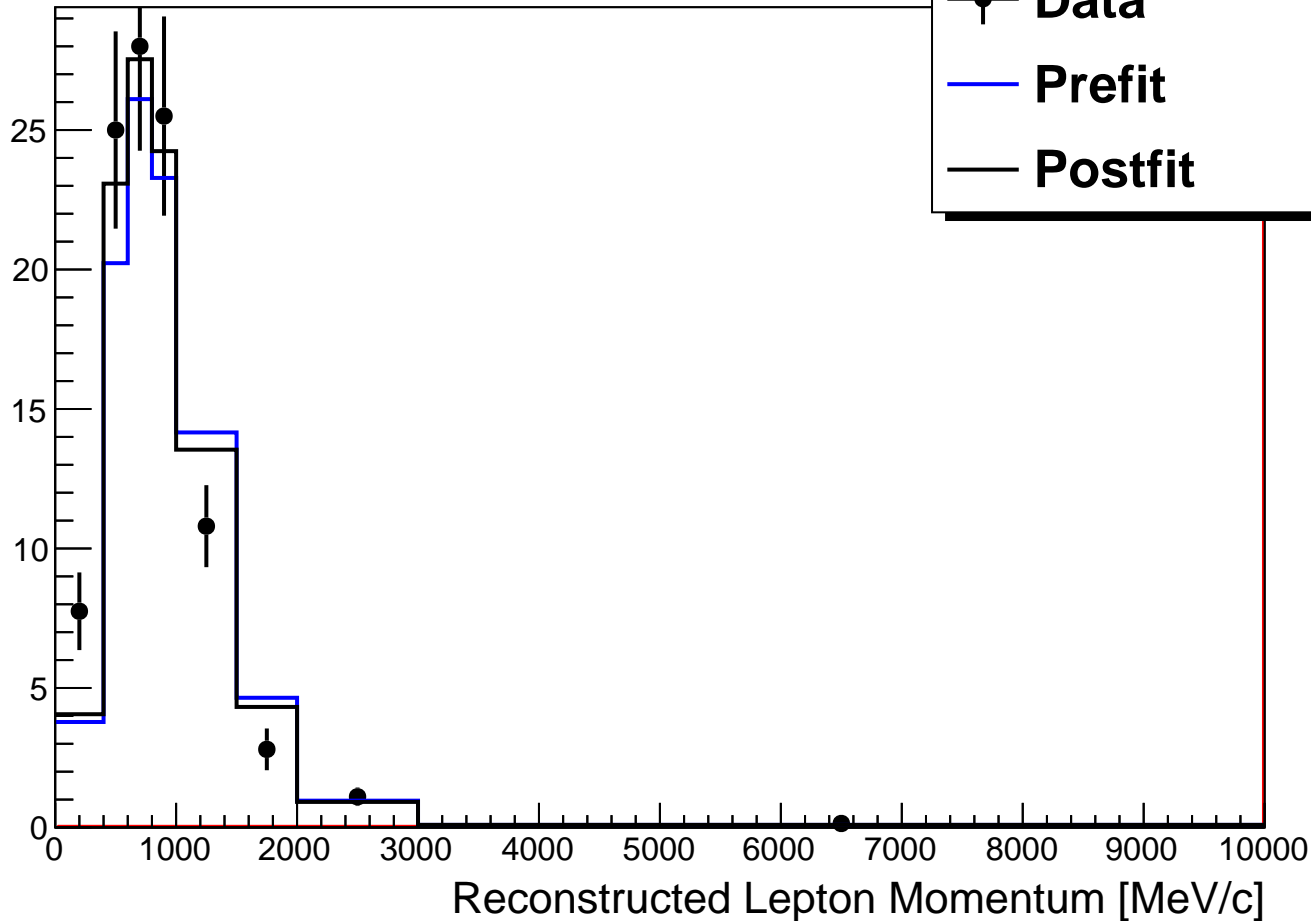
—●— Data
— Prefit
— Postfit



P0D Water-In RHC ν_μ CC N-Tracks: $0.7 < \cos\theta < 0.8$

Events/(100 MeV/c)

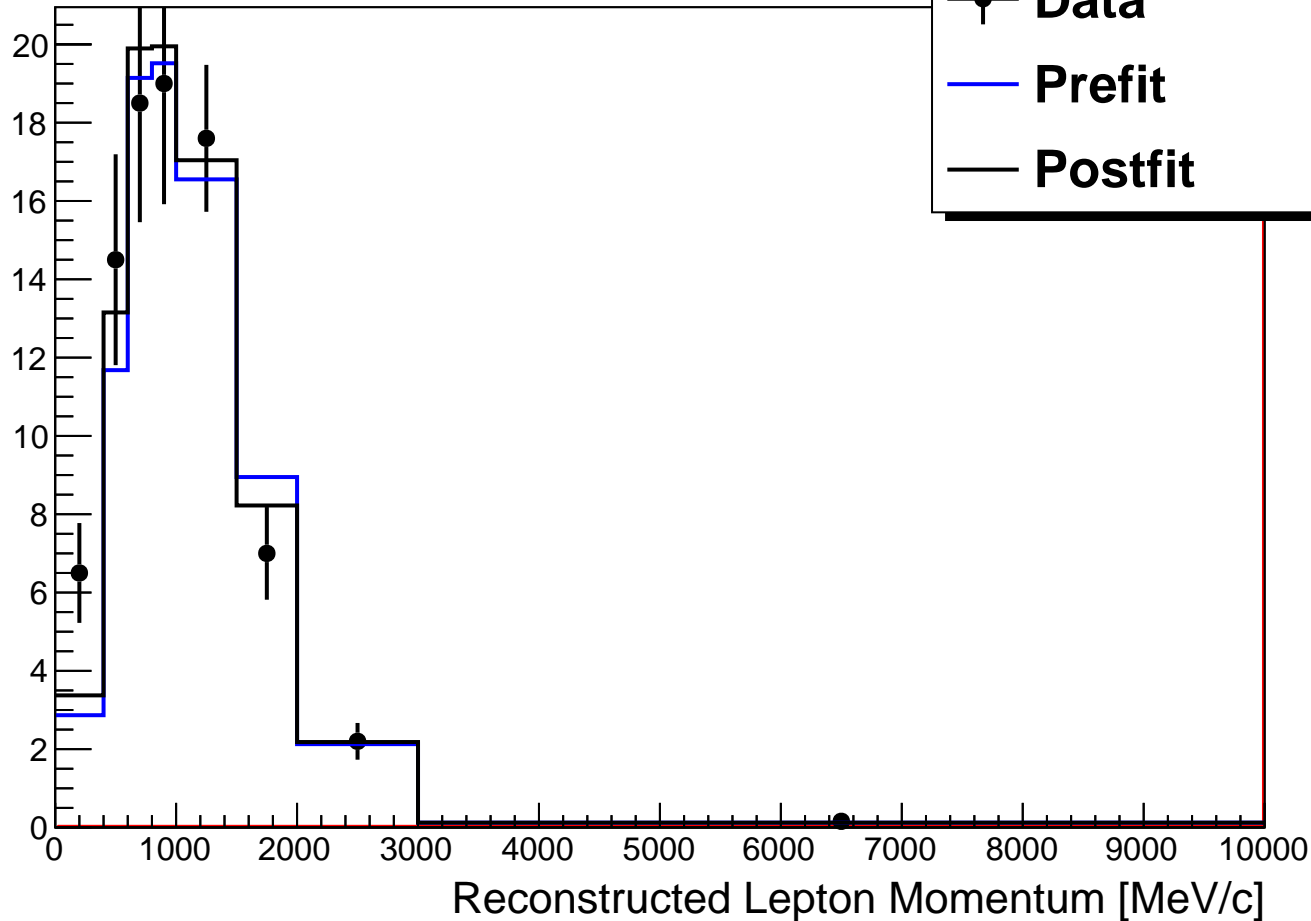
● Data
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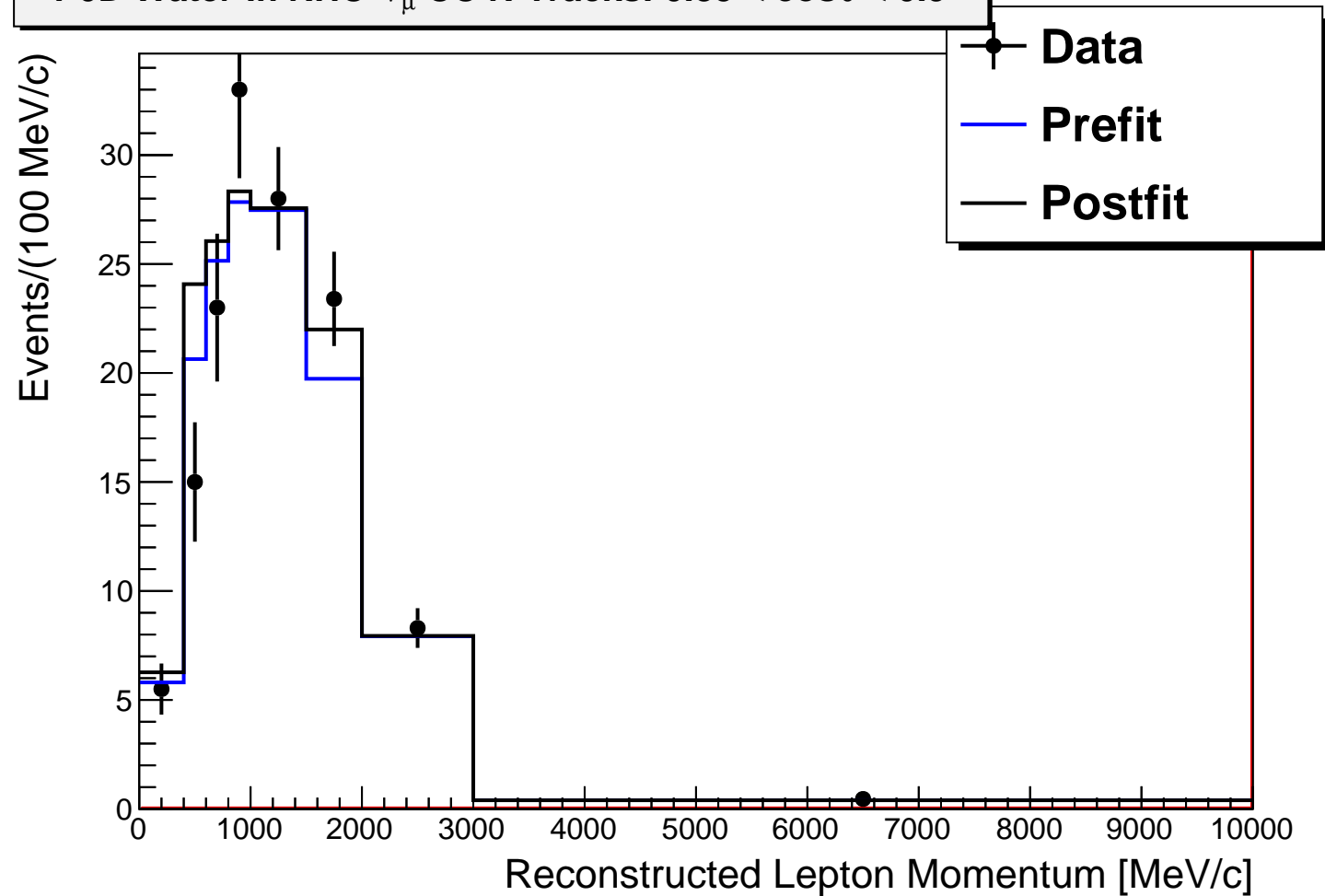
P0D Water-In RHC ν_μ CC N-Tracks: $0.8 < \cos\theta < 0.85$

Events/(100 MeV/c)

—●— Data
— Prefit
— Postfit



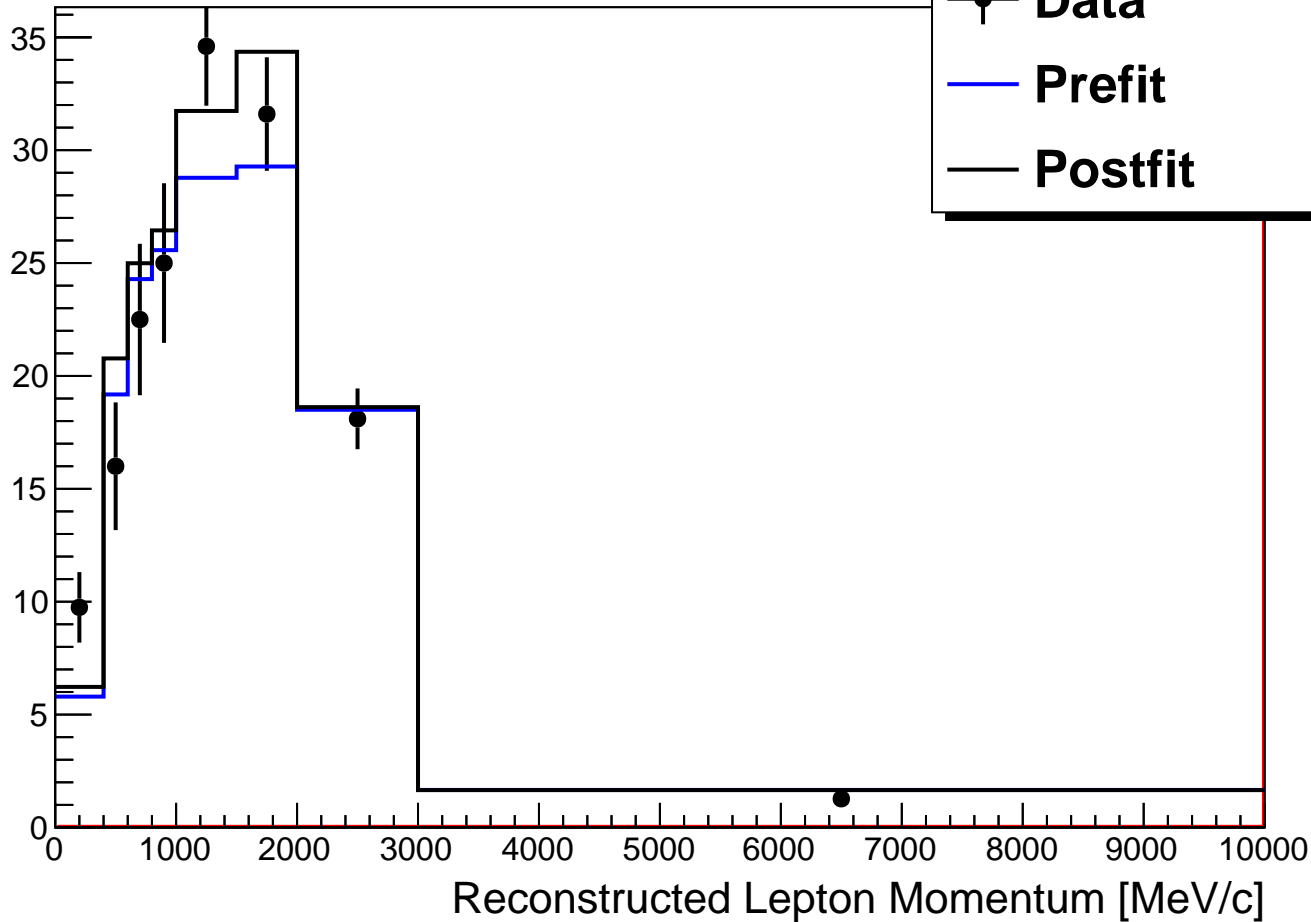
P0D Water-In RHC ν_μ CC N-Tracks: $0.85 < \cos\theta < 0.9$



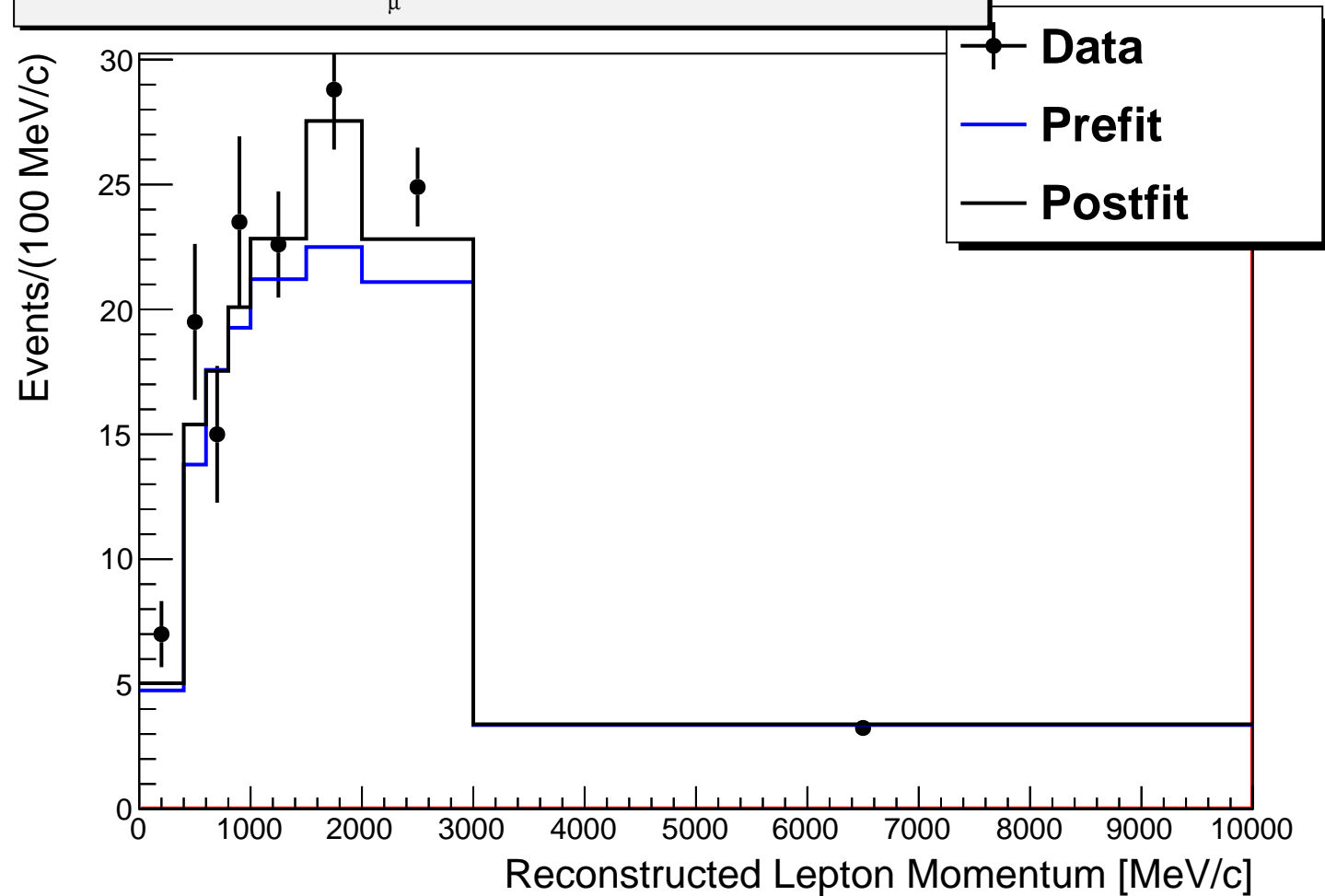
P0D Water-In RHC ν_μ CC N-Tracks: $0.9 < \cos\theta < 0.94$

Events/(100 MeV/c)

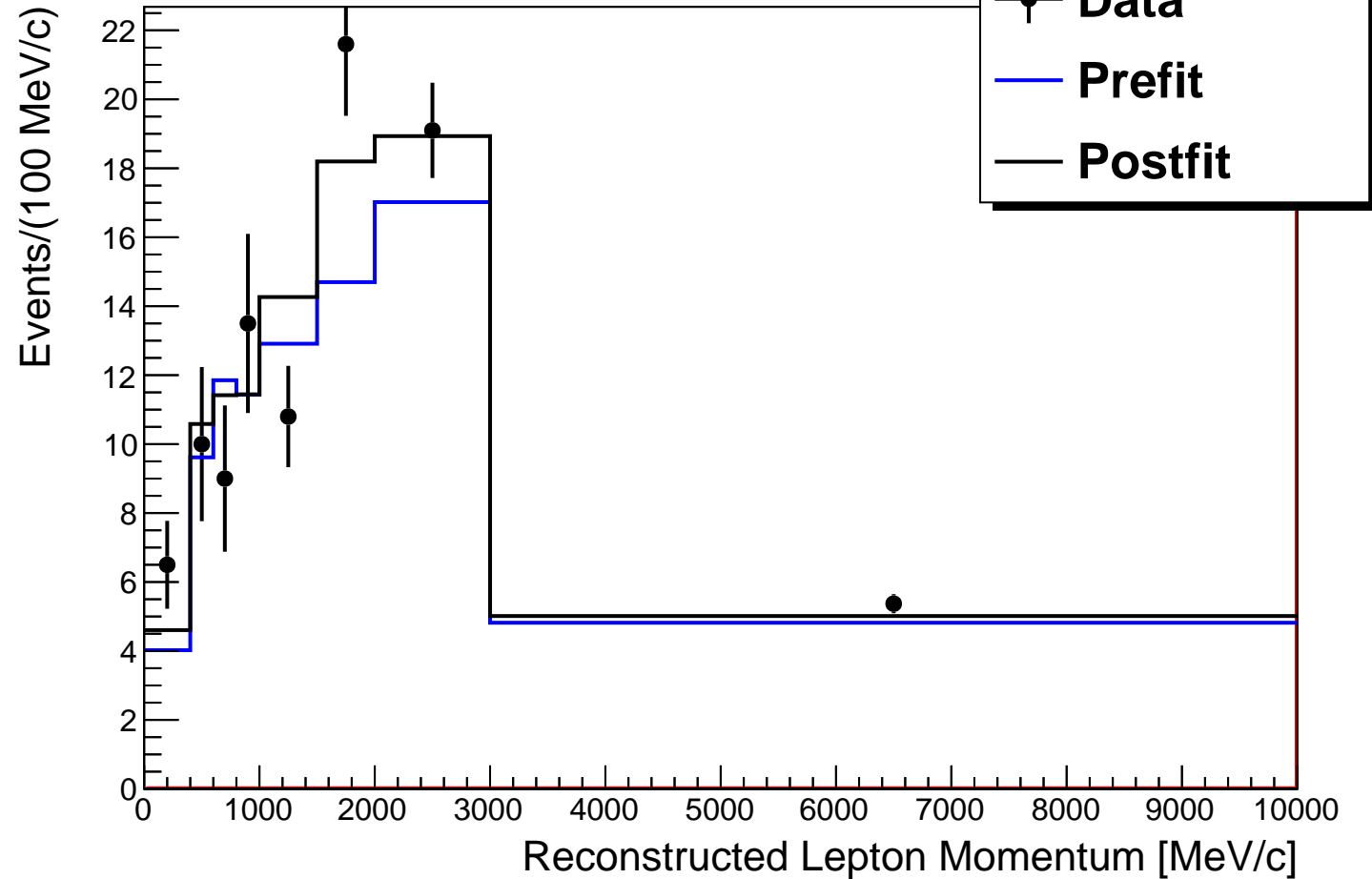
—●— Data
— Prefit
— Postfit



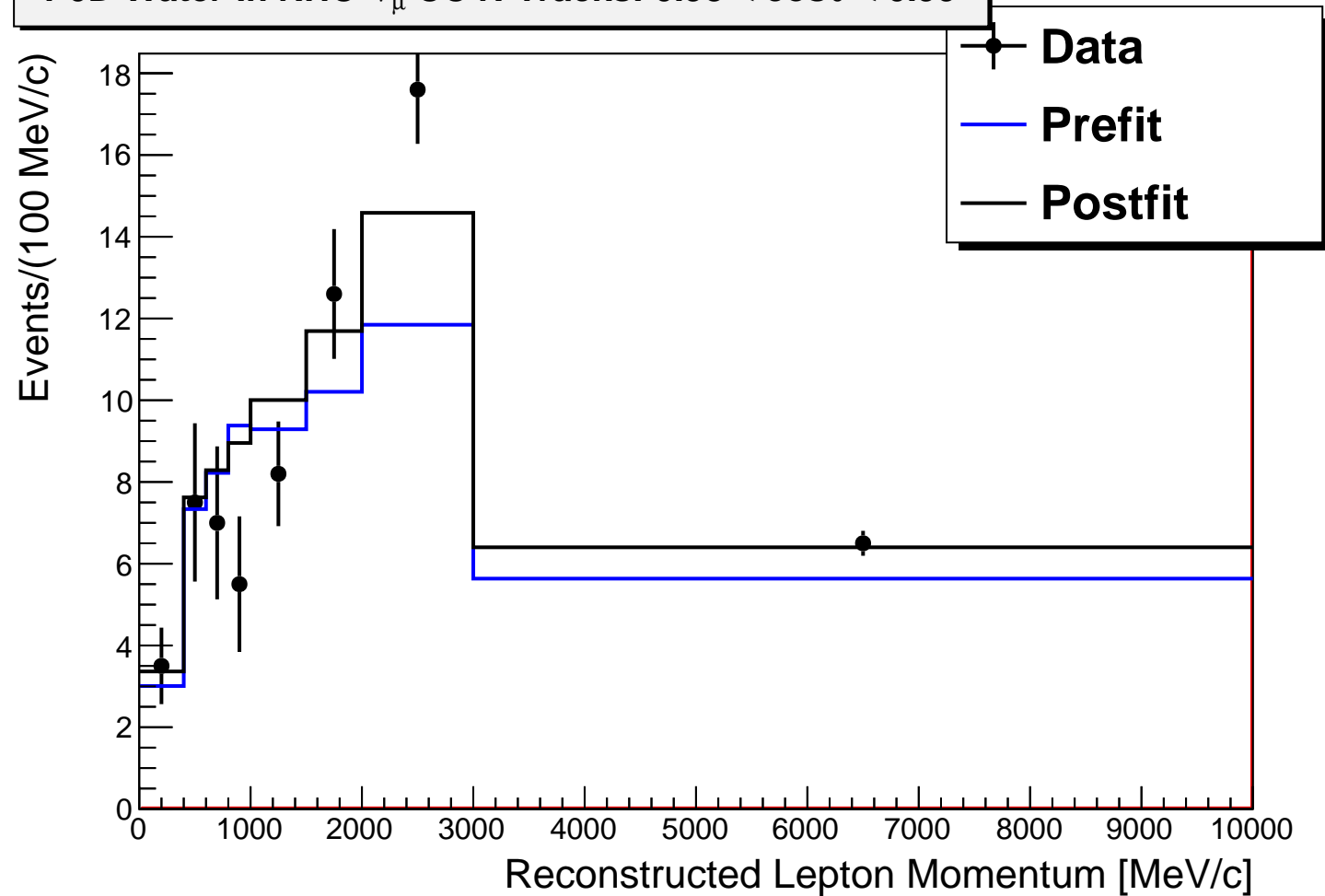
P0D Water-In RHC ν_μ CC N-Tracks: $0.94 < \cos\theta < 0.965$



P0D Water-In RHC ν_μ CC N-Tracks: $0.965 < \cos\theta < 0.98$



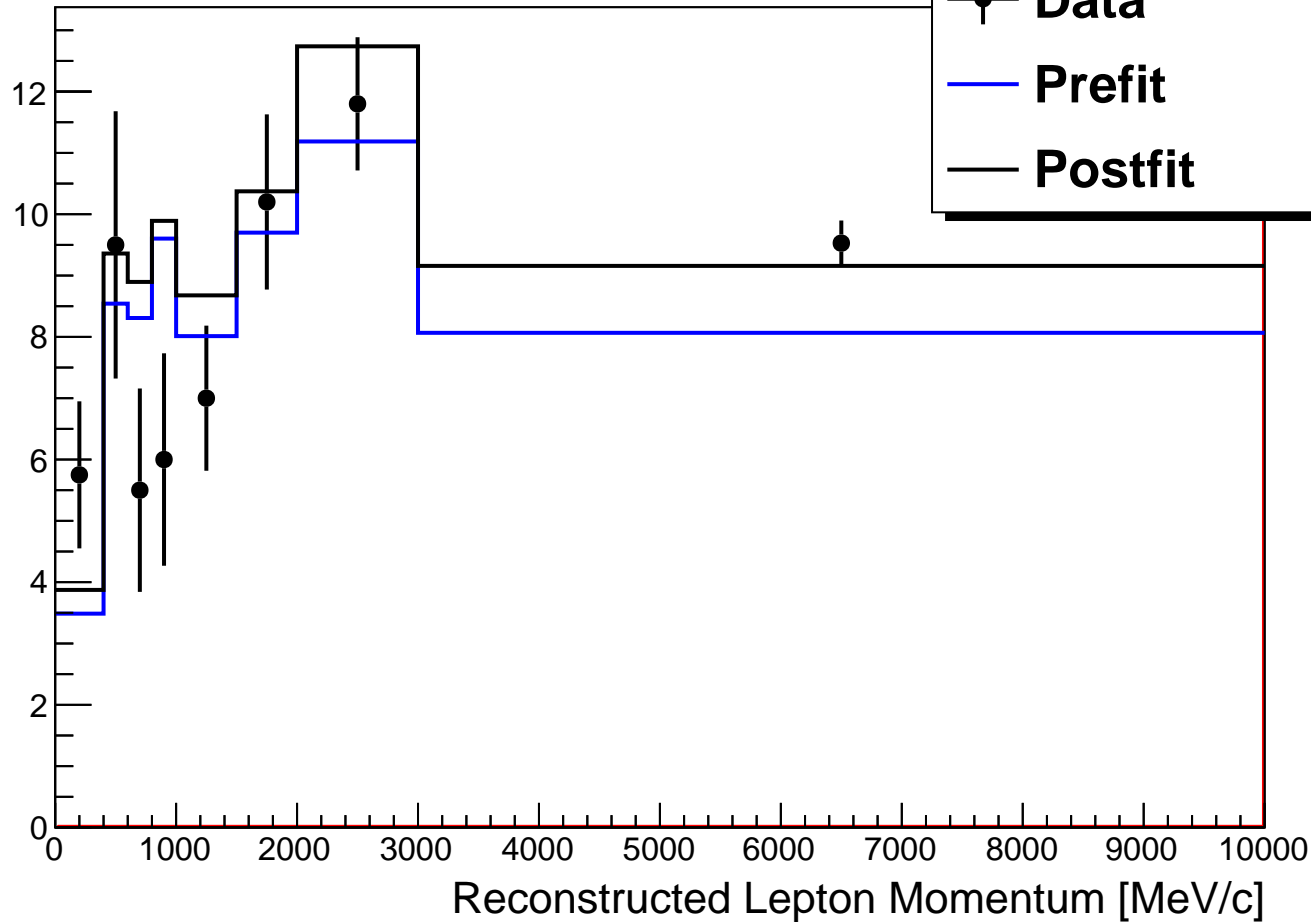
P0D Water-In RHC ν_μ CC N-Tracks: $0.98 < \cos\theta < 0.99$



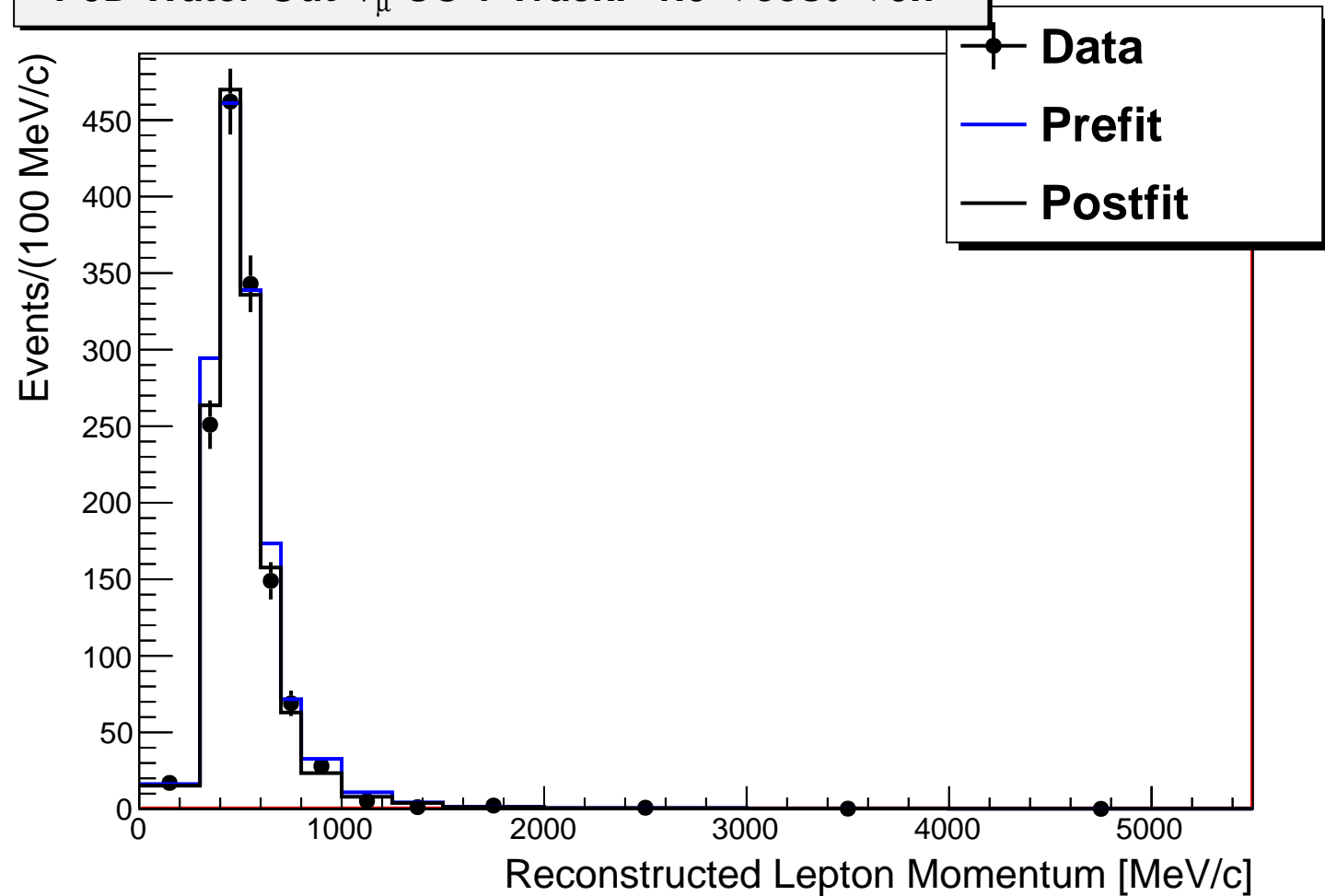
P0D Water-In RHC ν_μ CC N-Tracks: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

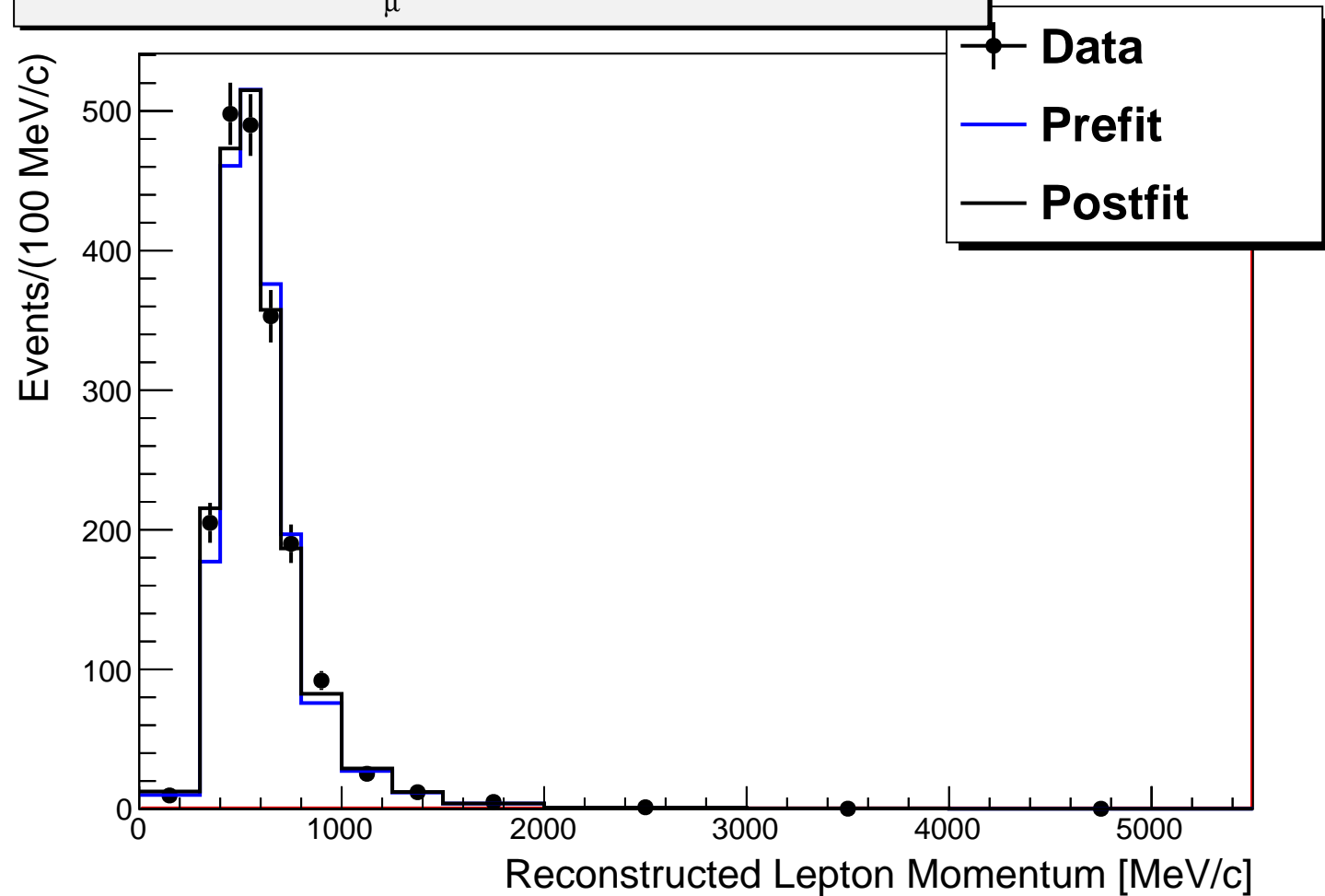
● Data
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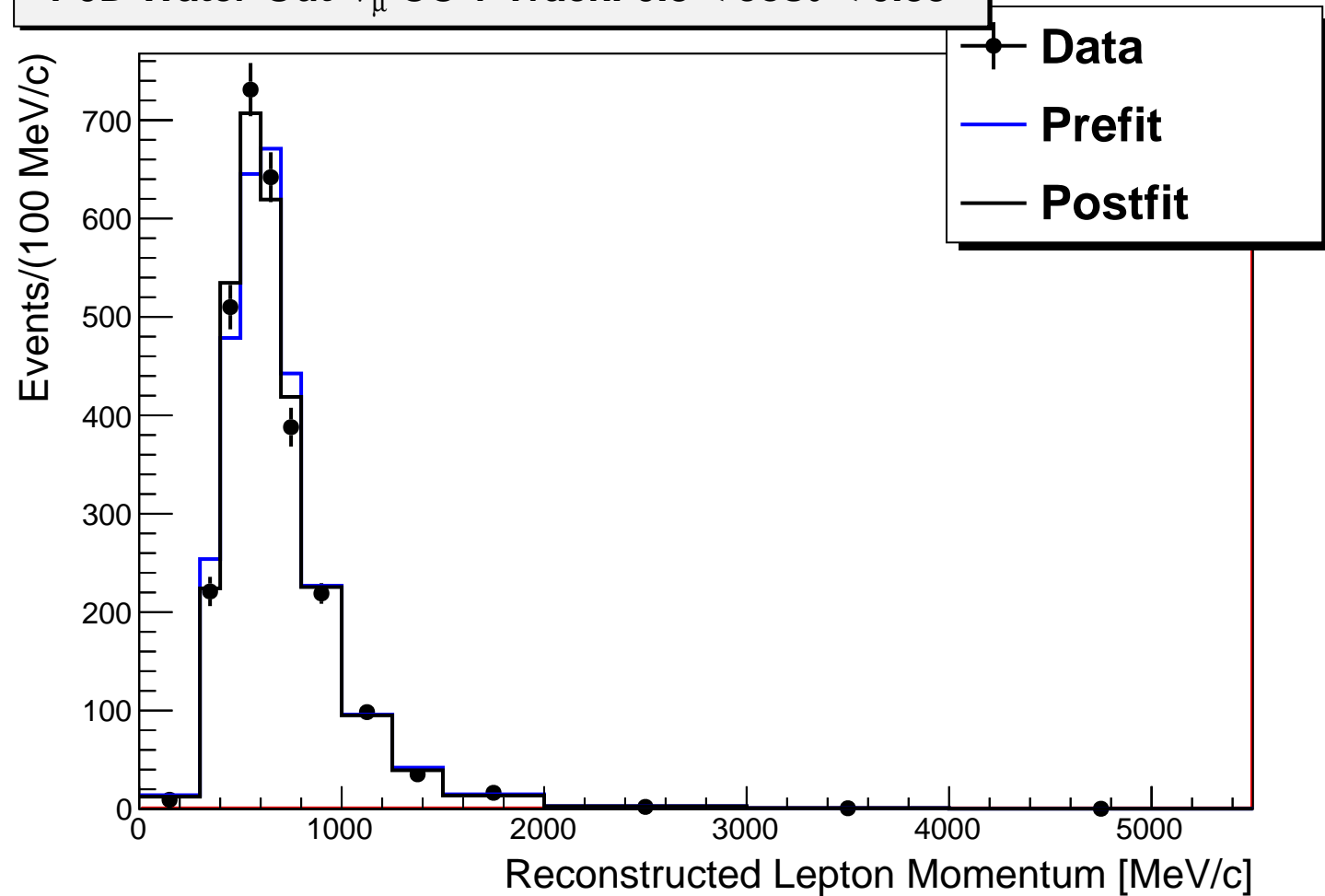
P0D Water-Out ν_μ CC 1-Track: $-1.0 < \cos\theta < 0.7$



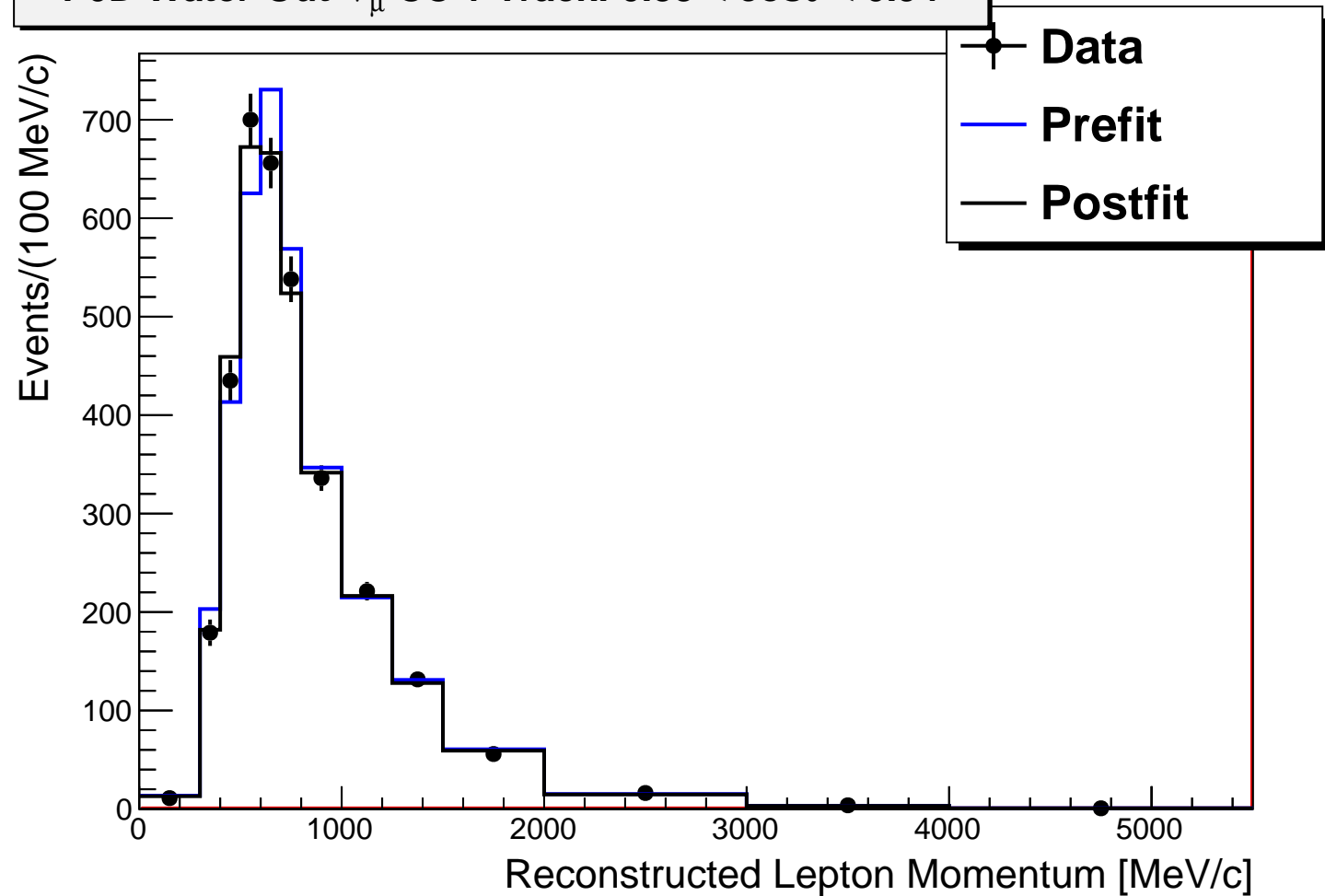
P0D Water-Out ν_μ CC 1-Track: $0.7 < \cos\theta < 0.8$



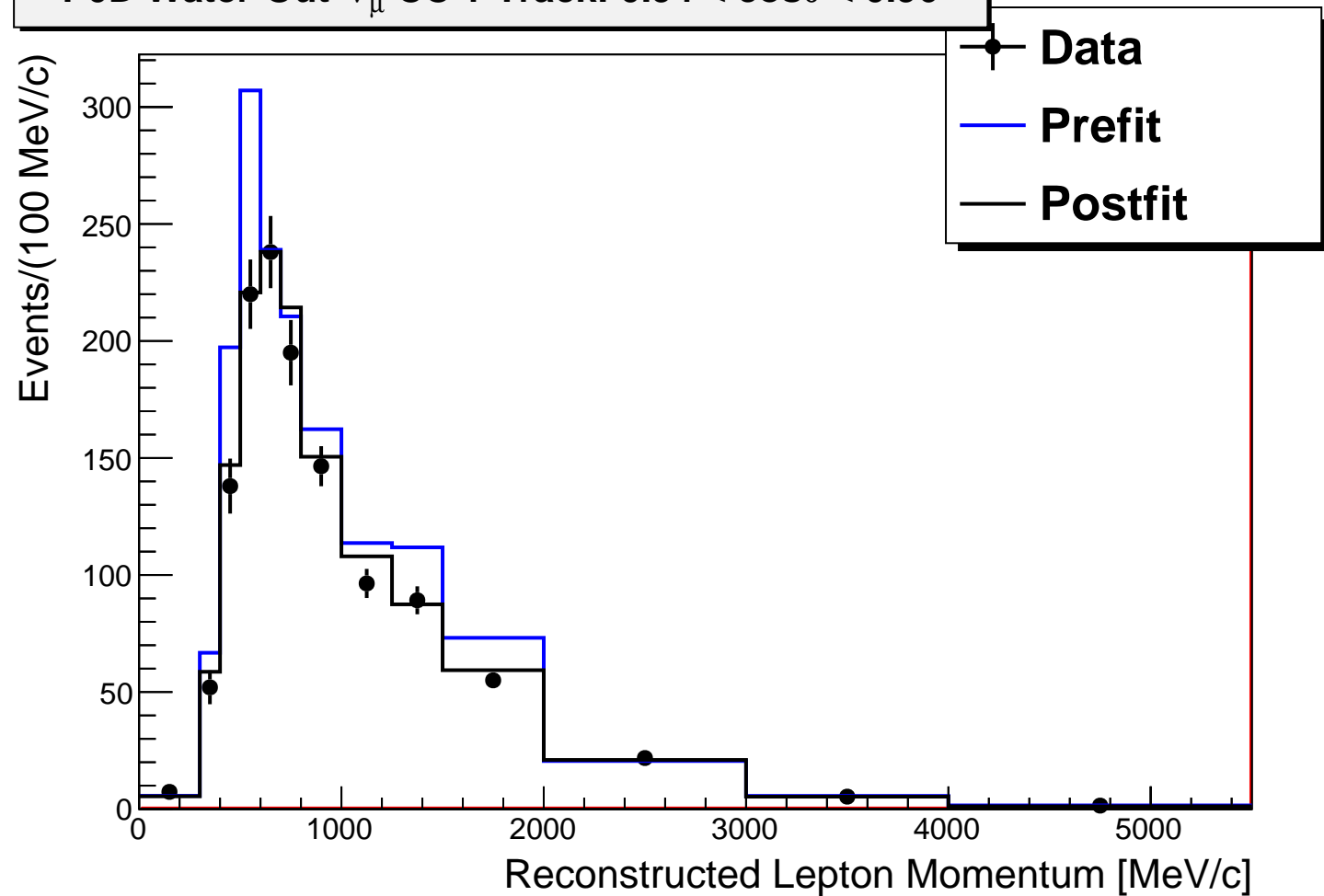
P0D Water-Out ν_μ CC 1-Track: $0.8 < \cos\theta < 0.88$



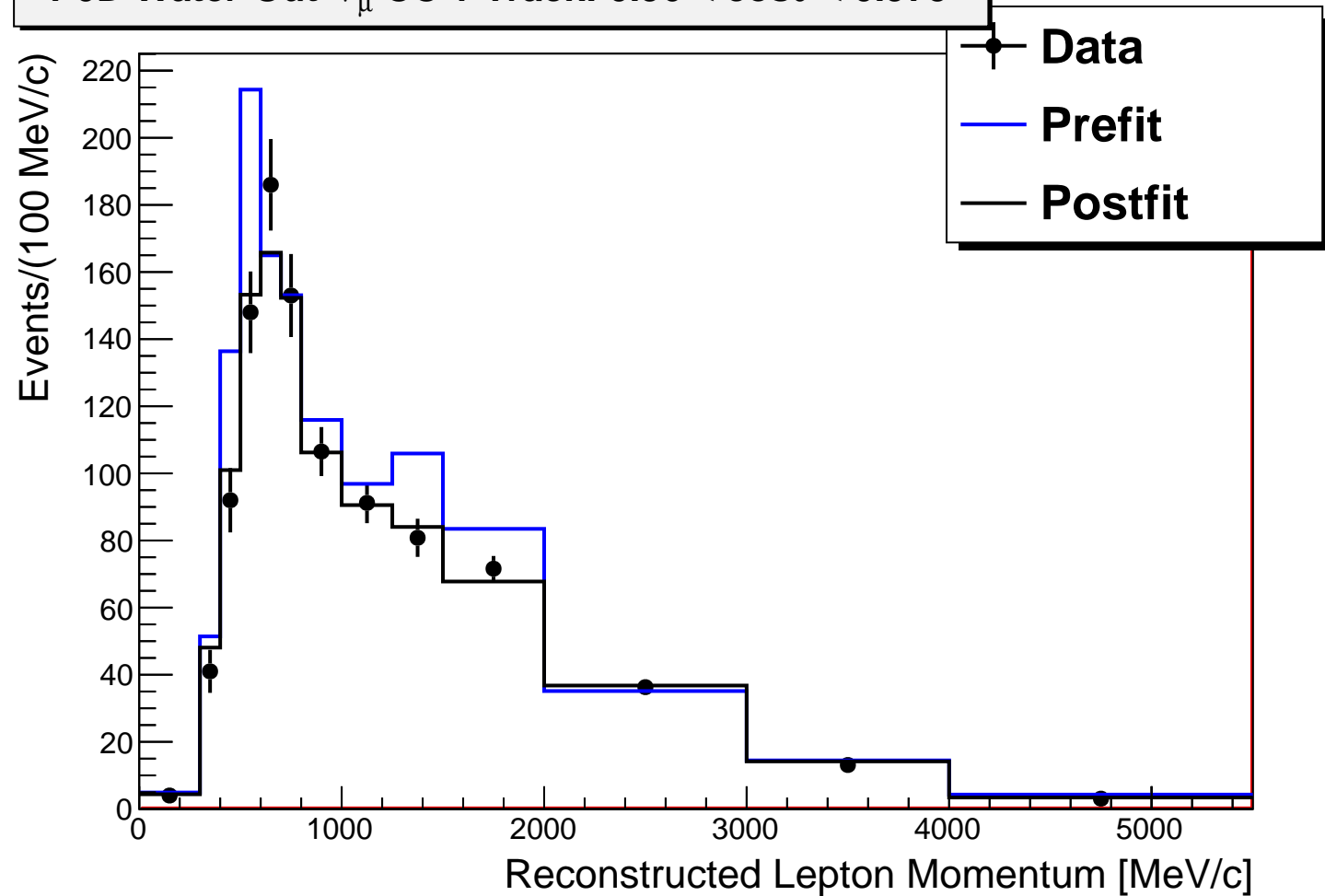
P0D Water-Out ν_μ CC 1-Track: $0.88 < \cos\theta < 0.94$



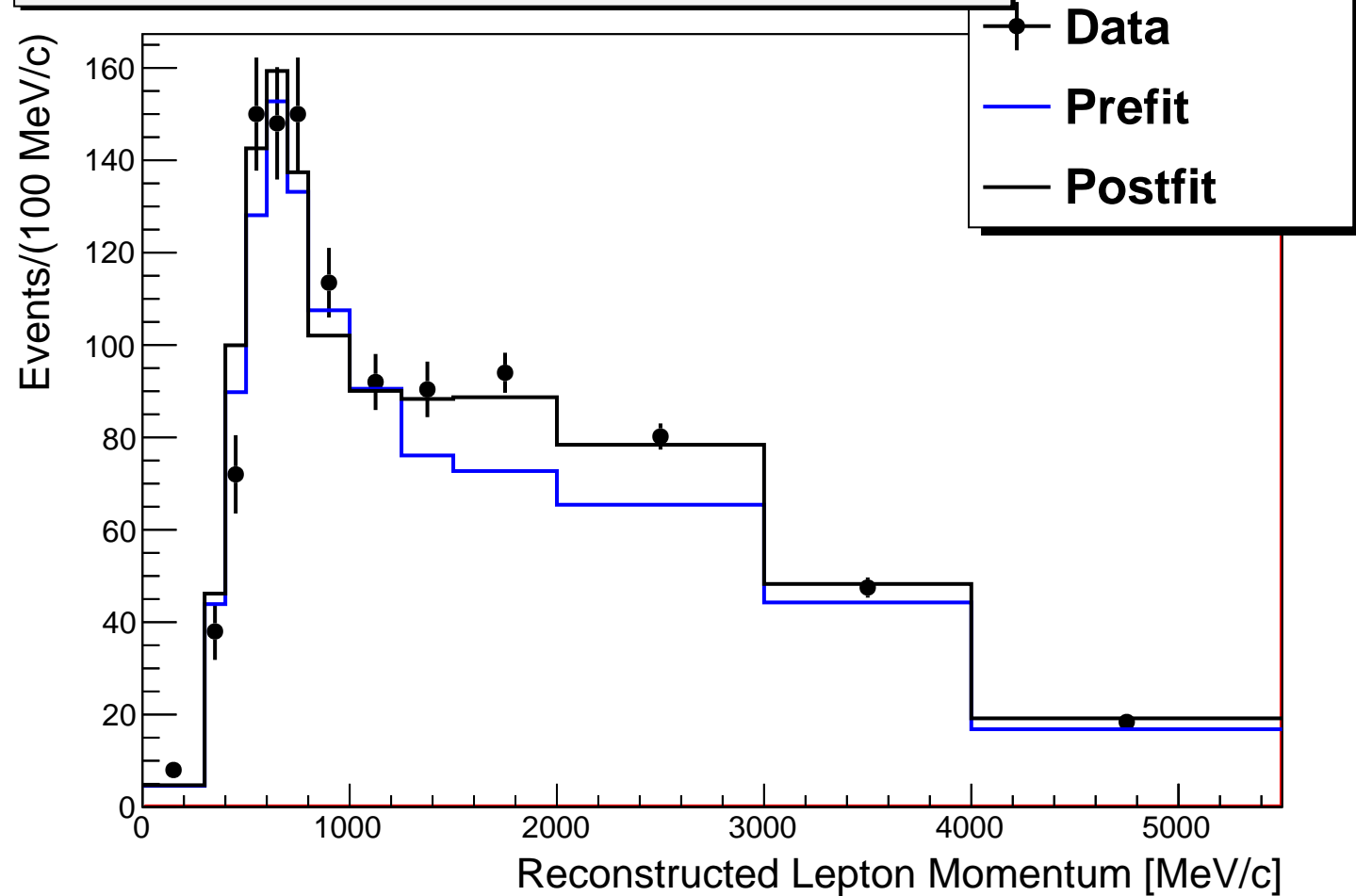
P0D Water-Out ν_μ CC 1-Track: $0.94 < \cos\theta < 0.96$



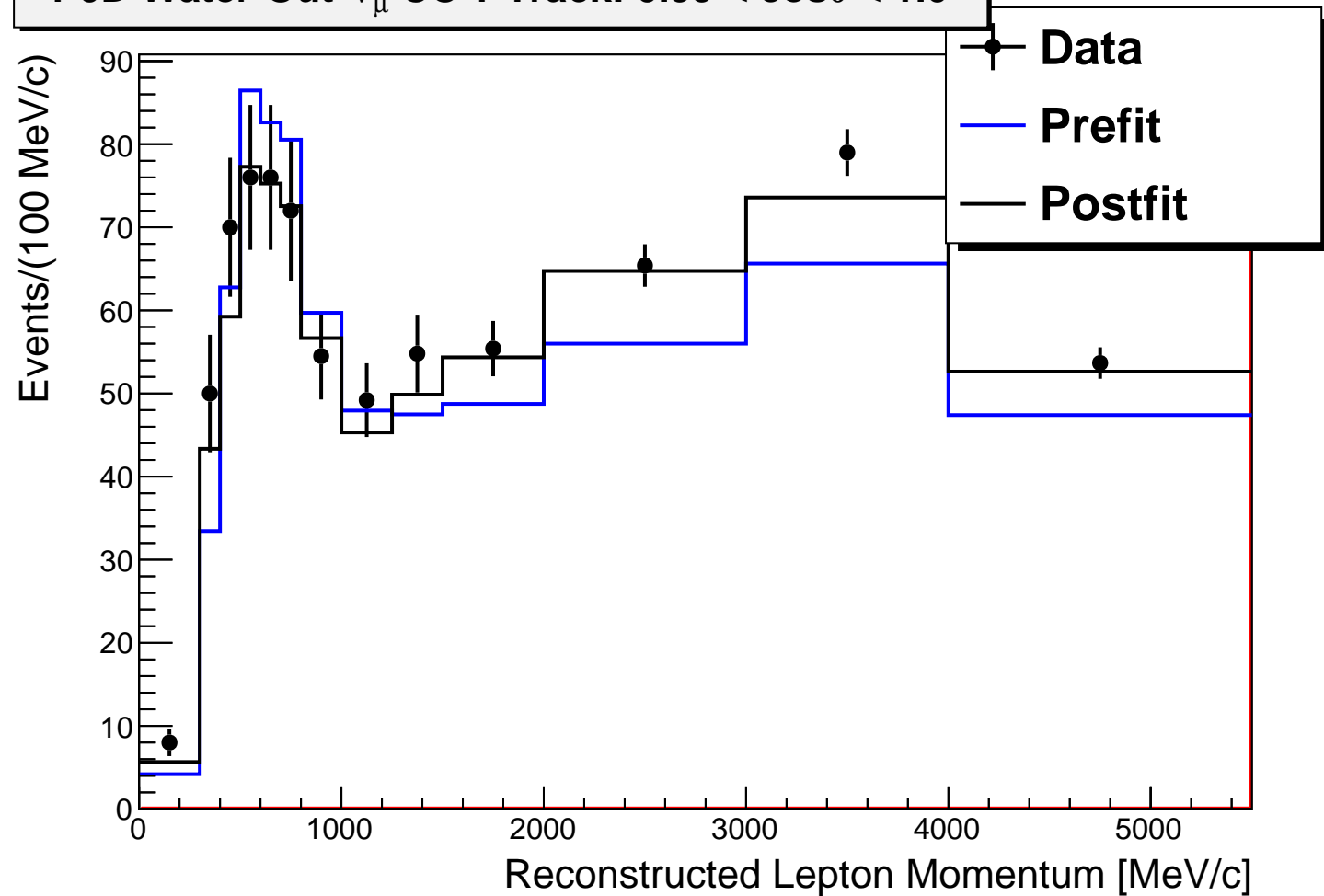
P0D Water-Out ν_μ CC 1-Track: $0.96 < \cos\theta < 0.975$



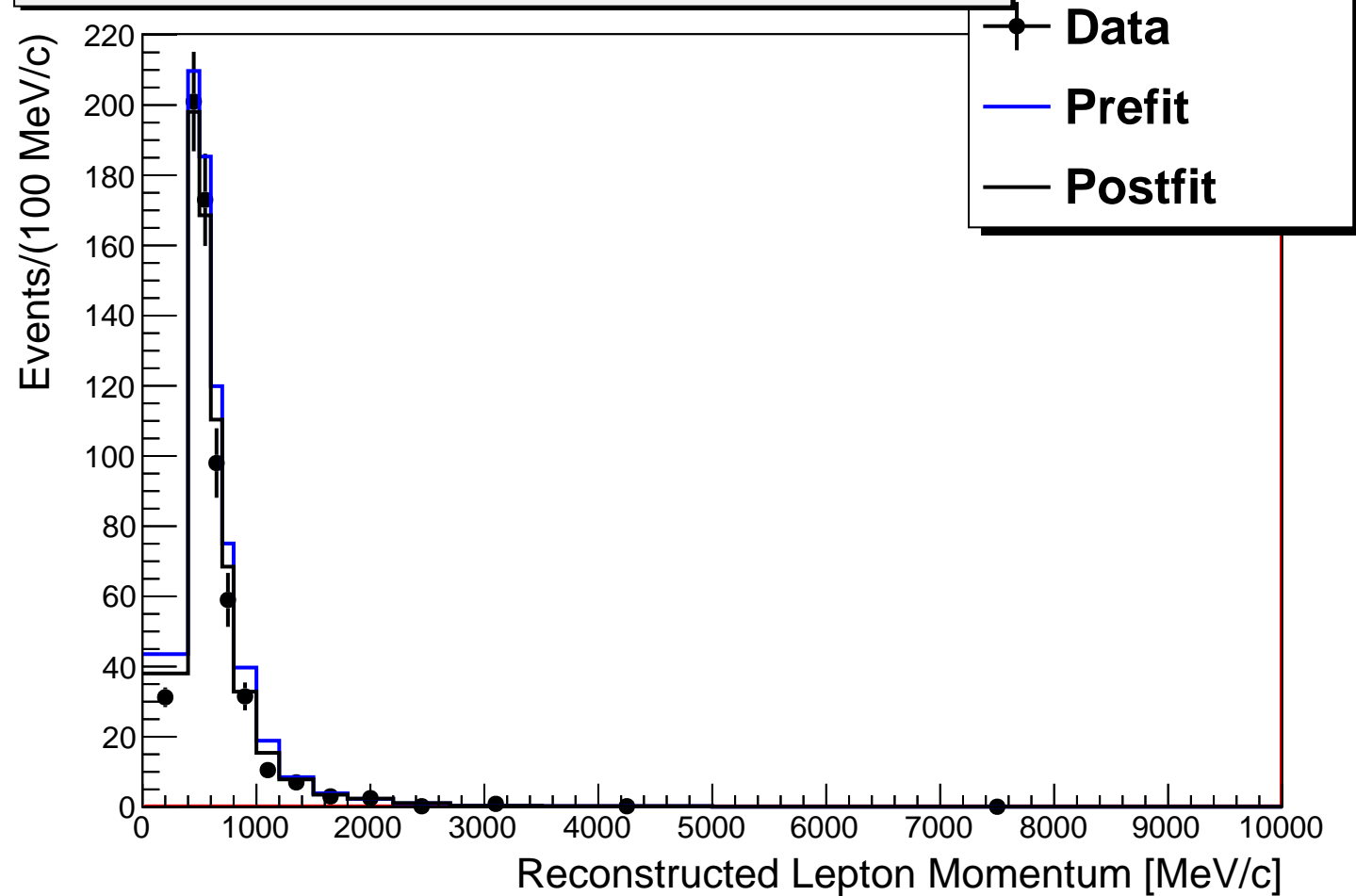
P0D Water-Out ν_μ CC 1-Track: $0.975 < \cos\theta < 0.99$



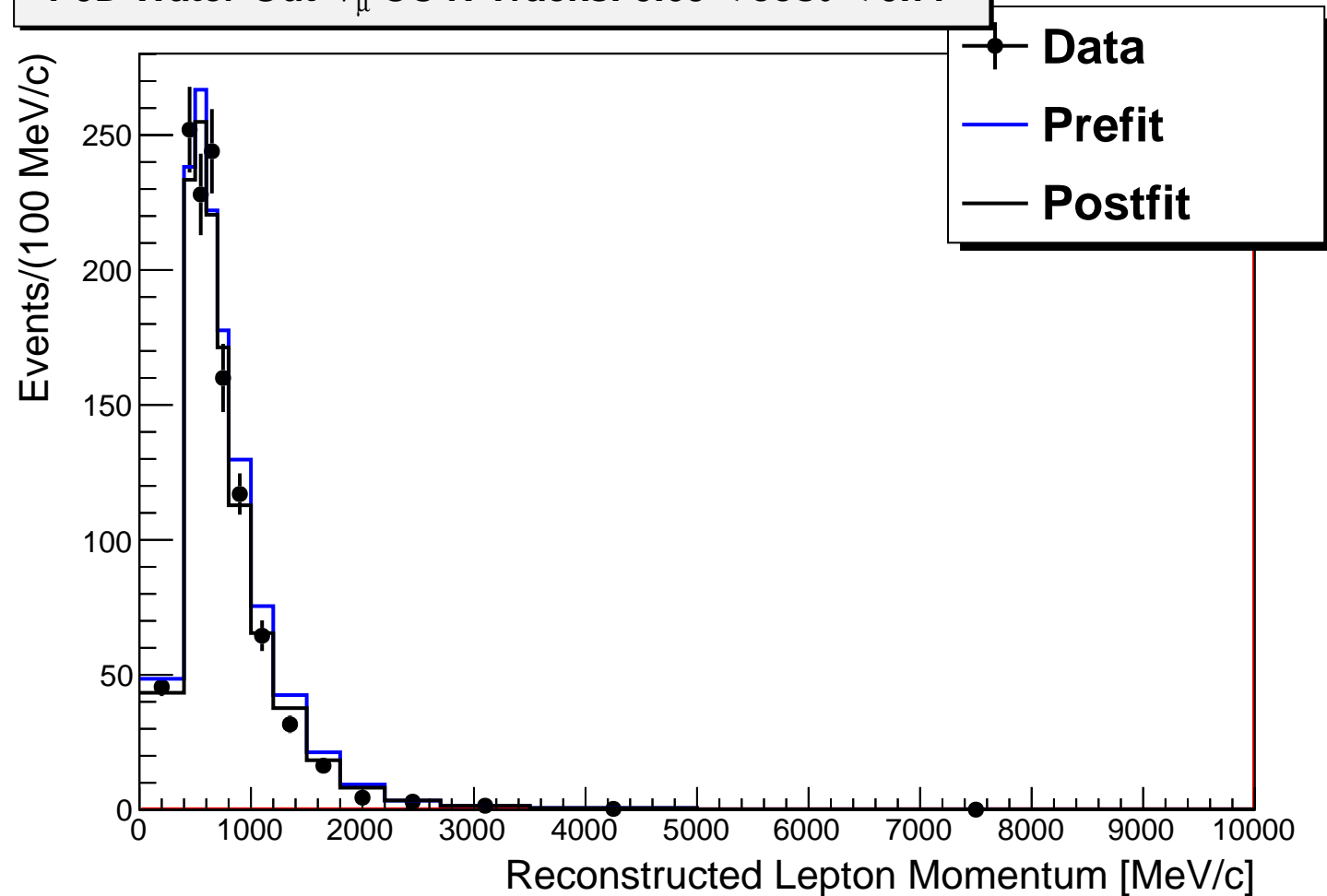
P0D Water-Out ν_μ CC 1-Track: $0.99 < \cos\theta < 1.0$



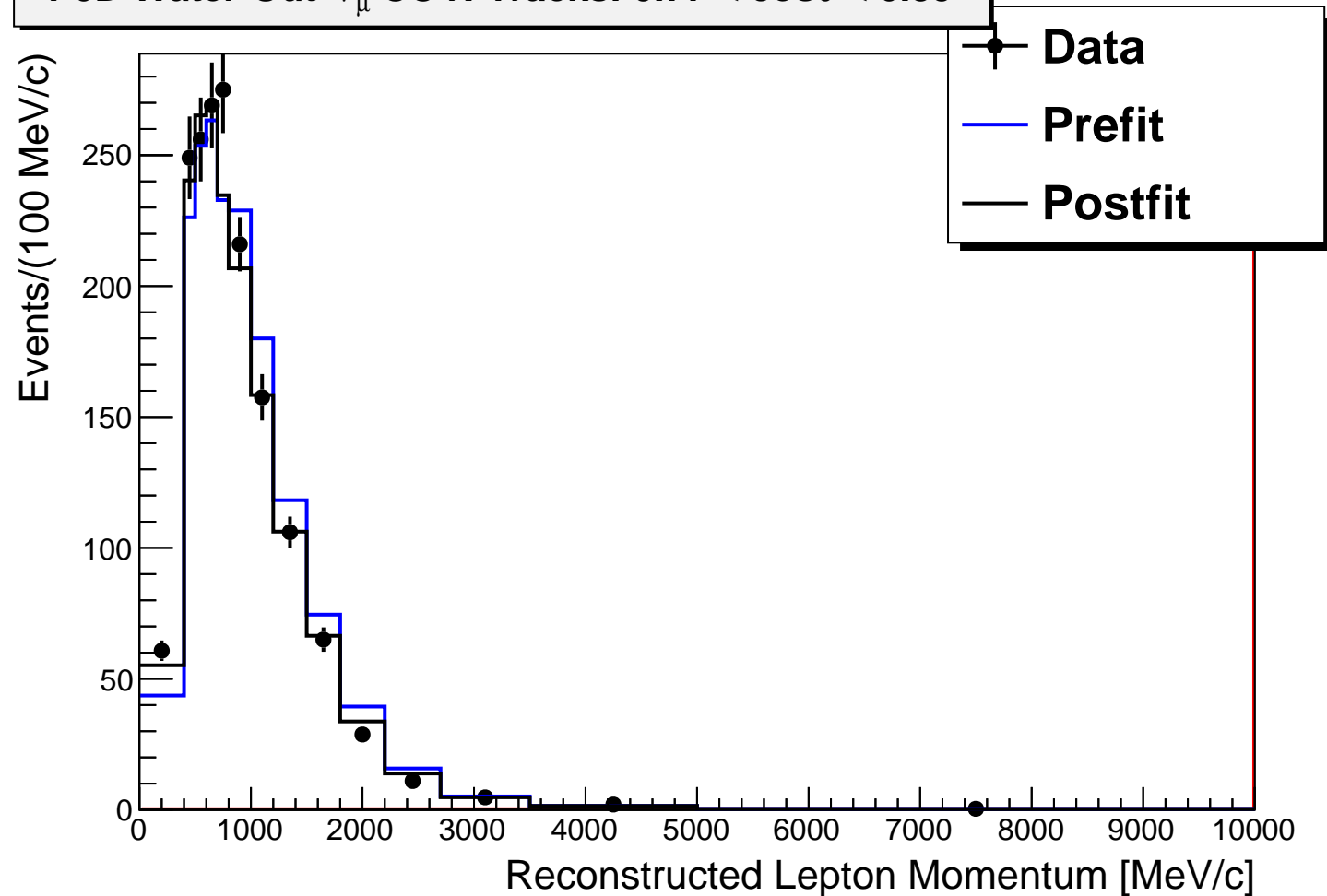
P0D Water-Out ν_μ CC N-Tracks: $-1.0 < \cos\theta < 0.65$



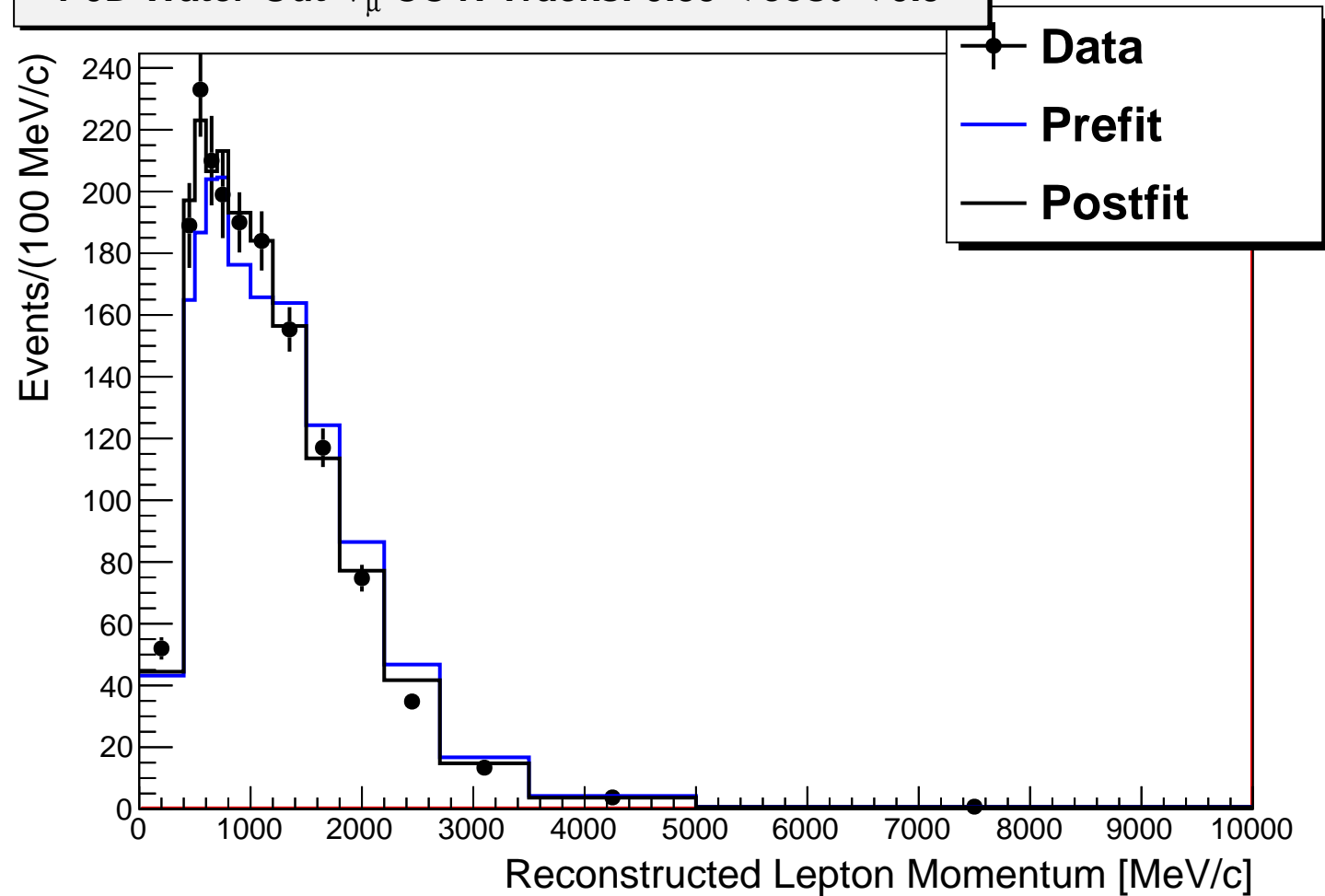
P0D Water-Out ν_μ CC N-Tracks: $0.65 < \cos\theta < 0.77$



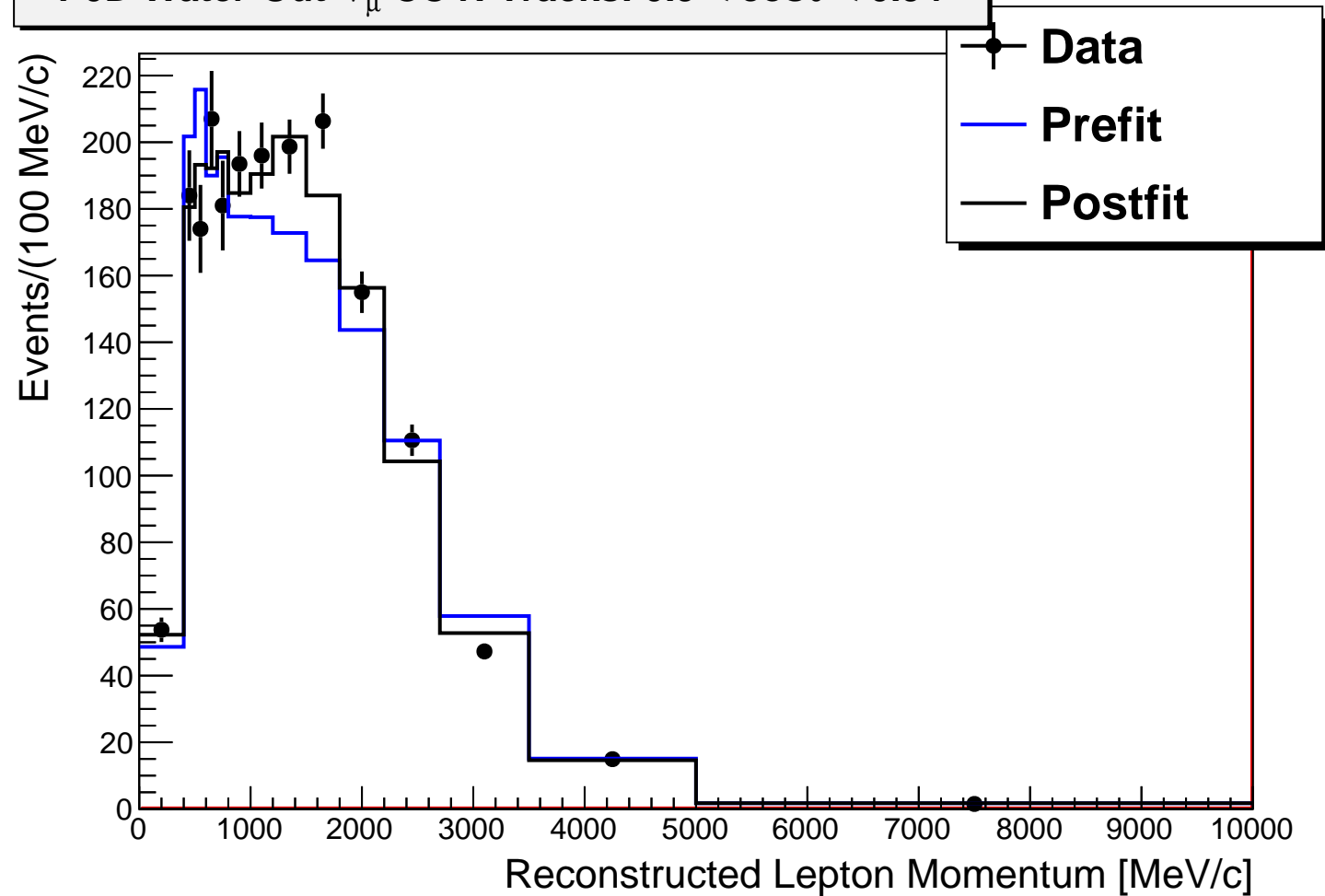
P0D Water-Out ν_μ CC N-Tracks: $0.77 < \cos\theta < 0.85$



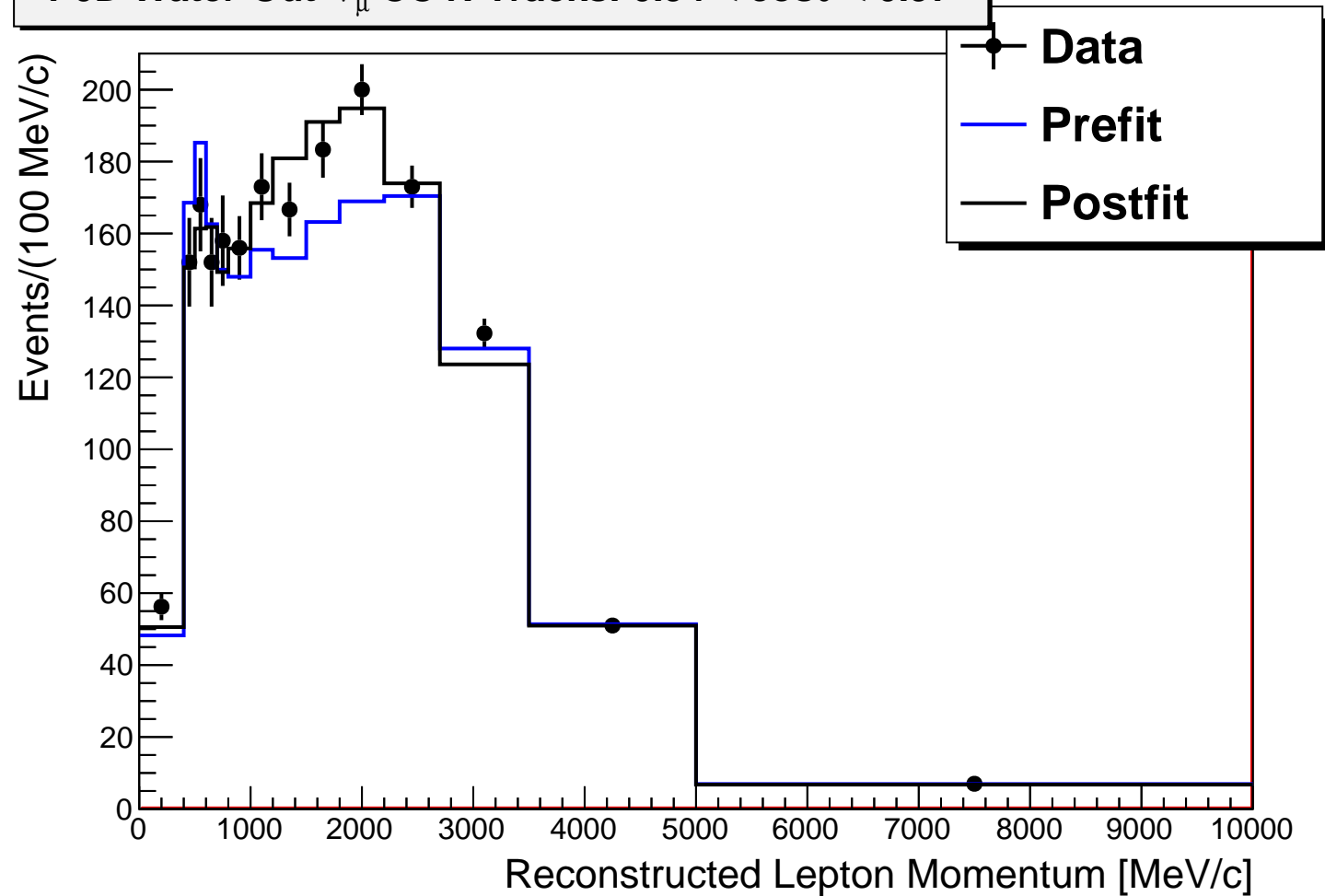
P0D Water-Out ν_μ CC N-Tracks: $0.85 < \cos\theta < 0.9$



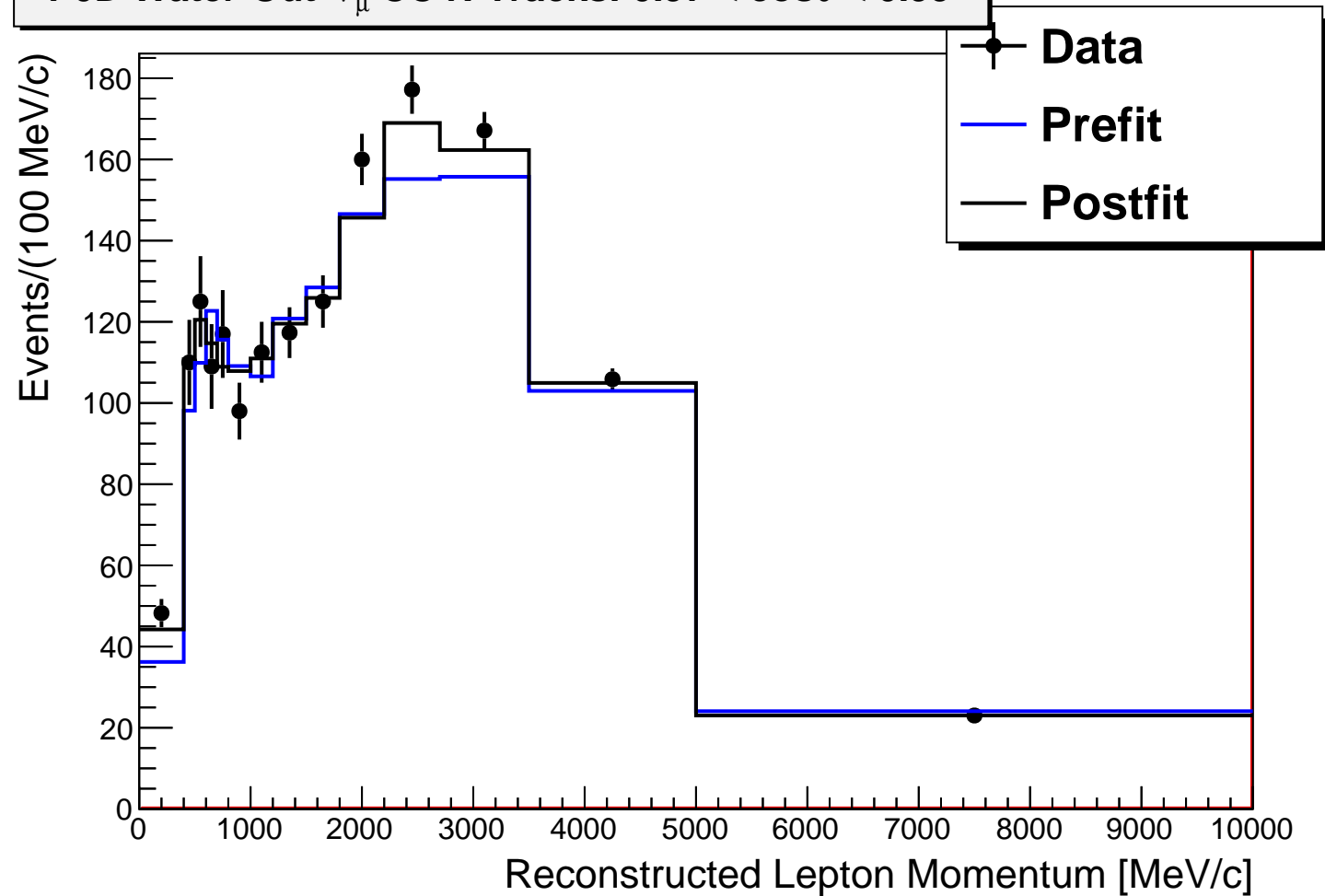
P0D Water-Out ν_μ CC N-Tracks: $0.9 < \cos\theta < 0.94$



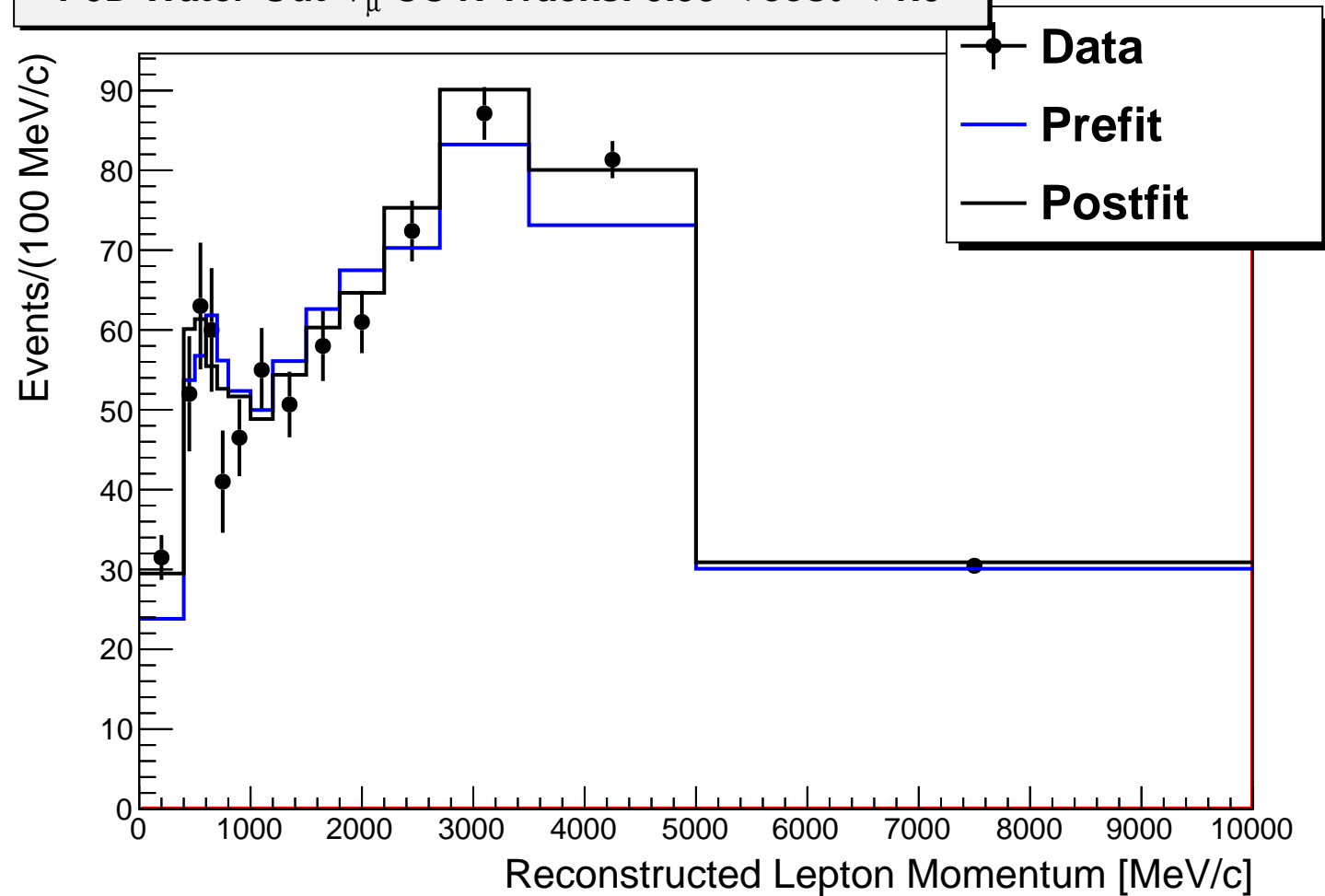
P0D Water-Out ν_μ CC N-Tracks: $0.94 < \cos\theta < 0.97$



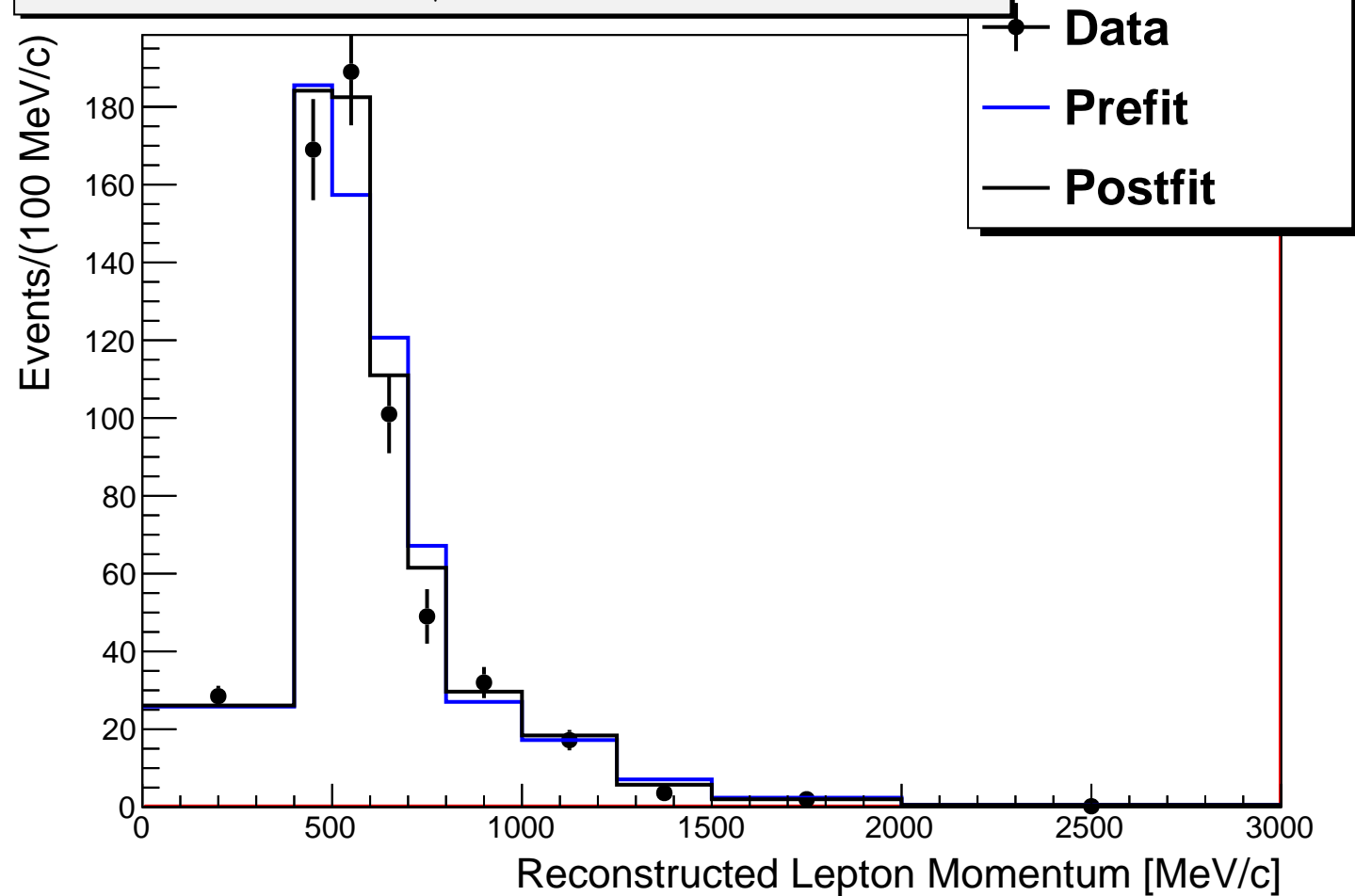
P0D Water-Out ν_μ CC N-Tracks: $0.97 < \cos\theta < 0.99$



P0D Water-Out ν_μ CC N-Tracks: $0.99 < \cos\theta < 1.0$

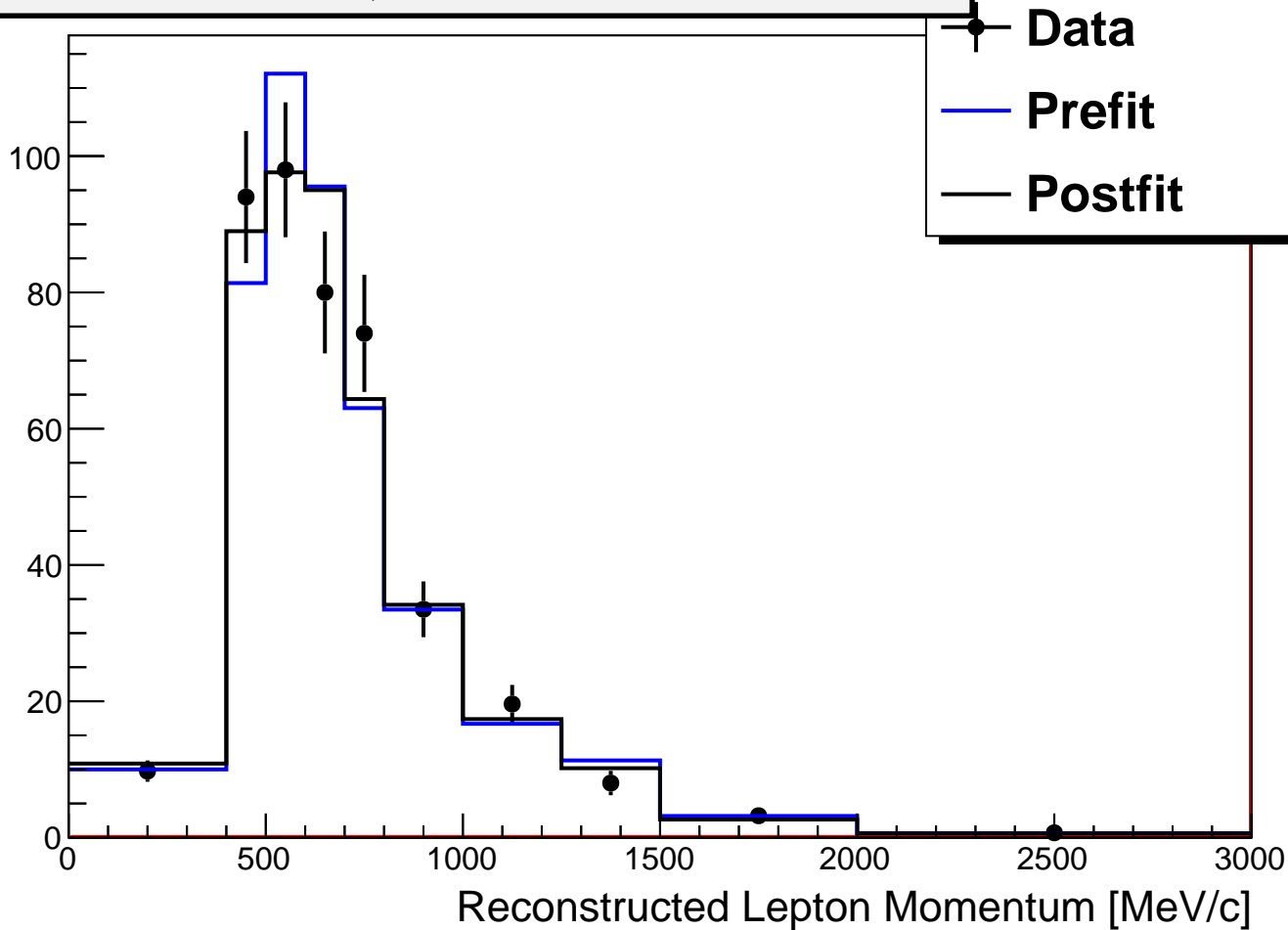


P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $-1.0 < \cos\theta < 0.82$

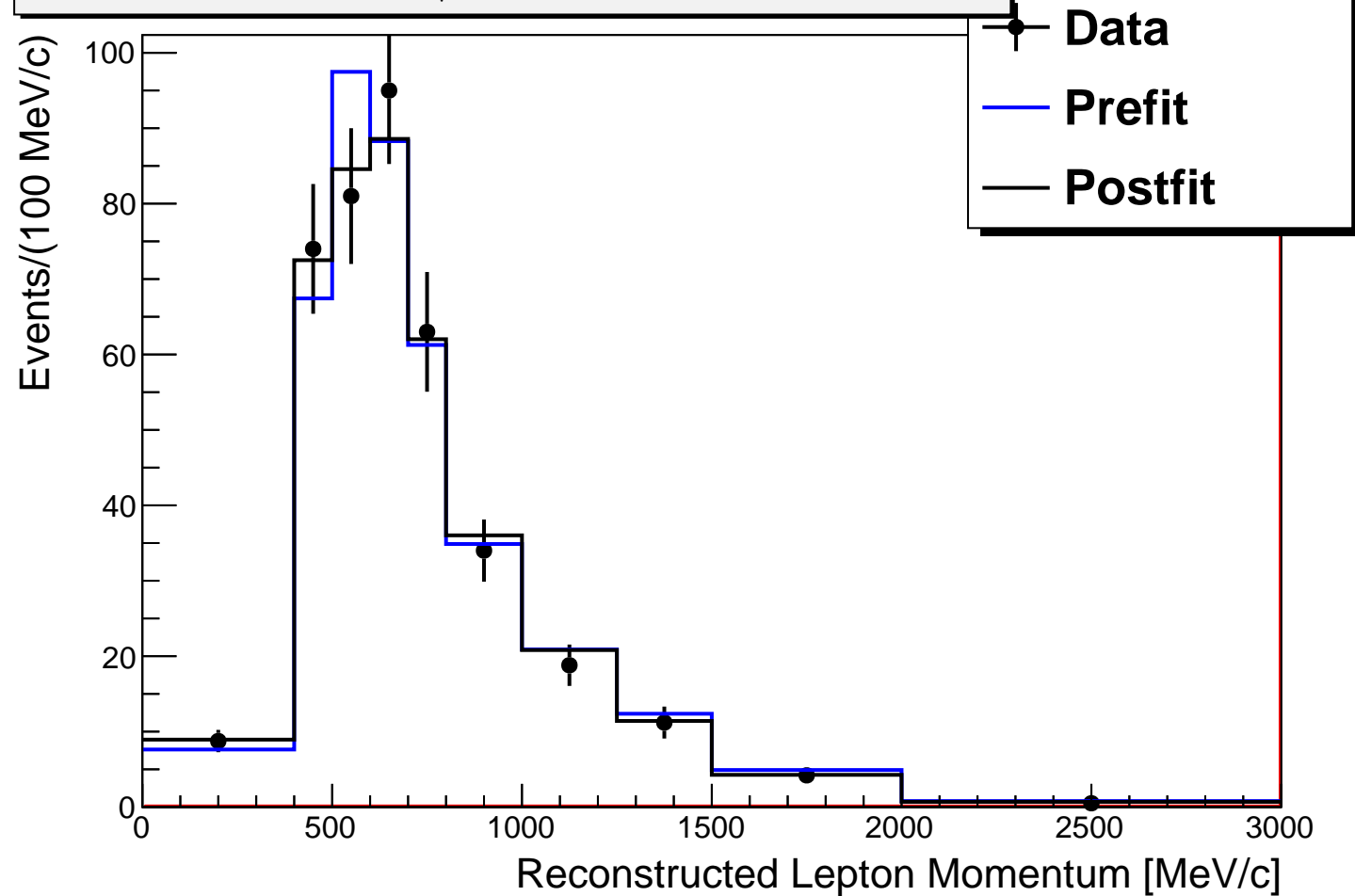


P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.82 < \cos\theta < 0.87$

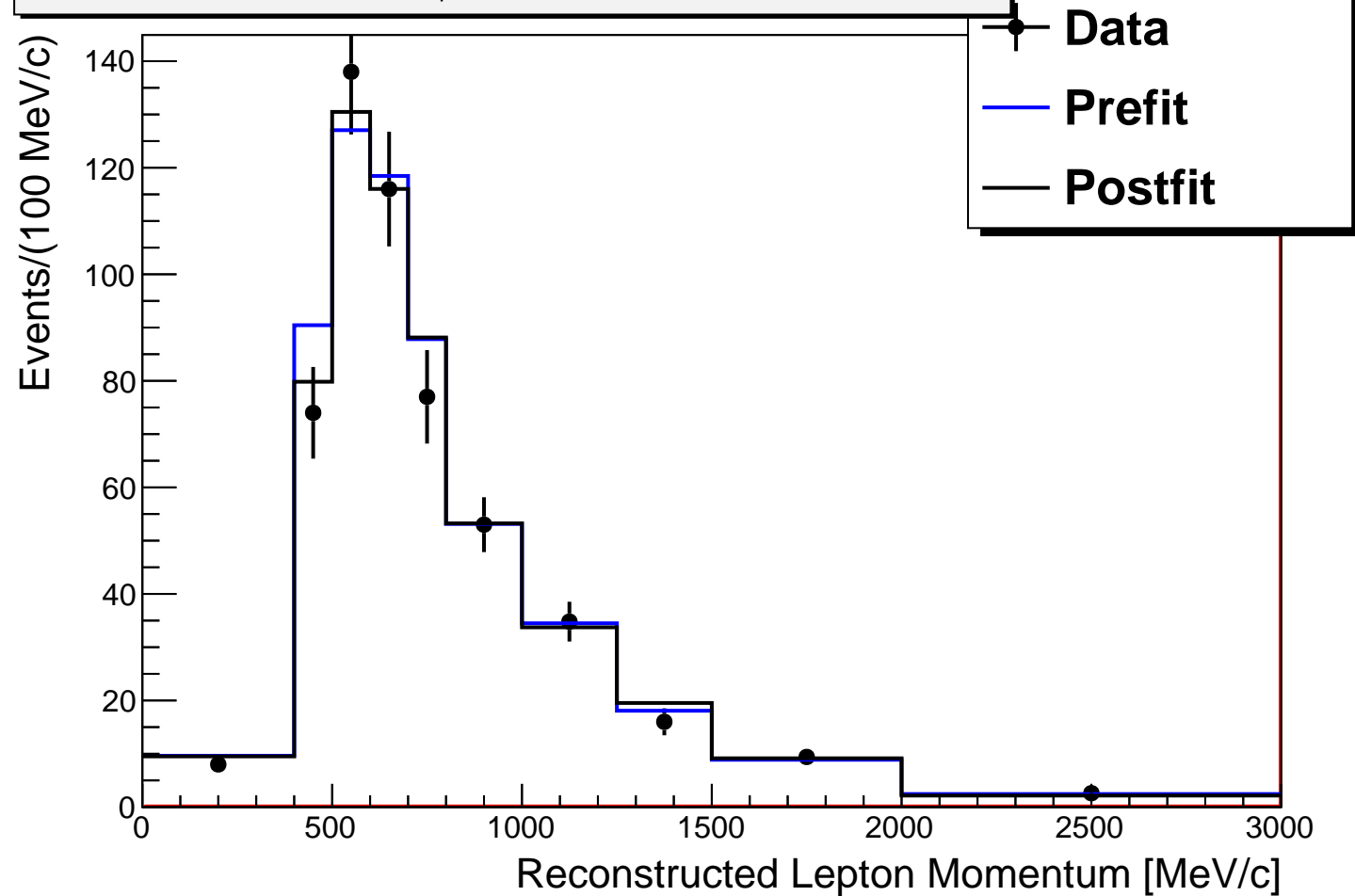
Events/(100 MeV/c)



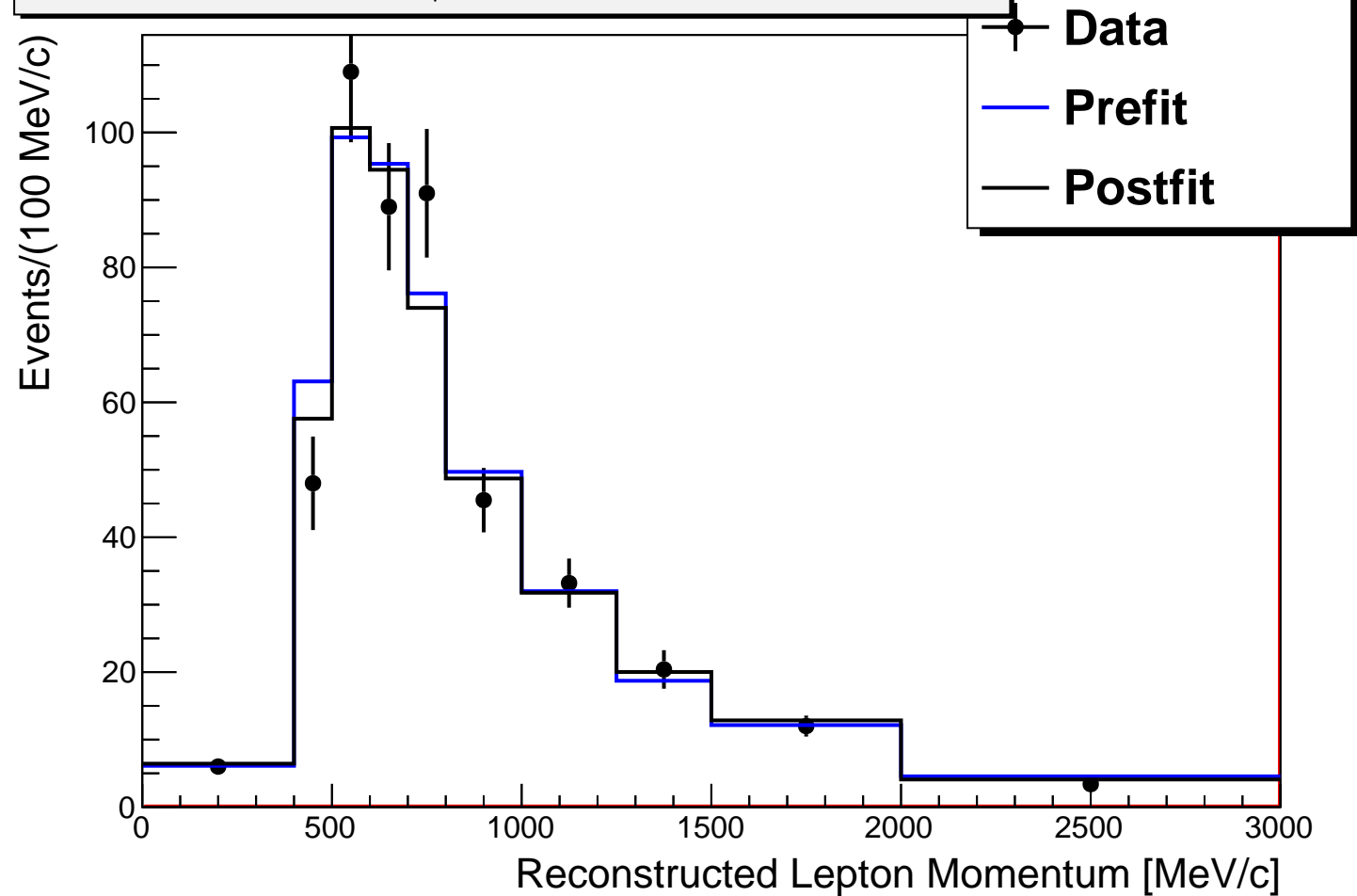
P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.87 < \cos\theta < 0.9$



P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.9 < \cos\theta < 0.93$

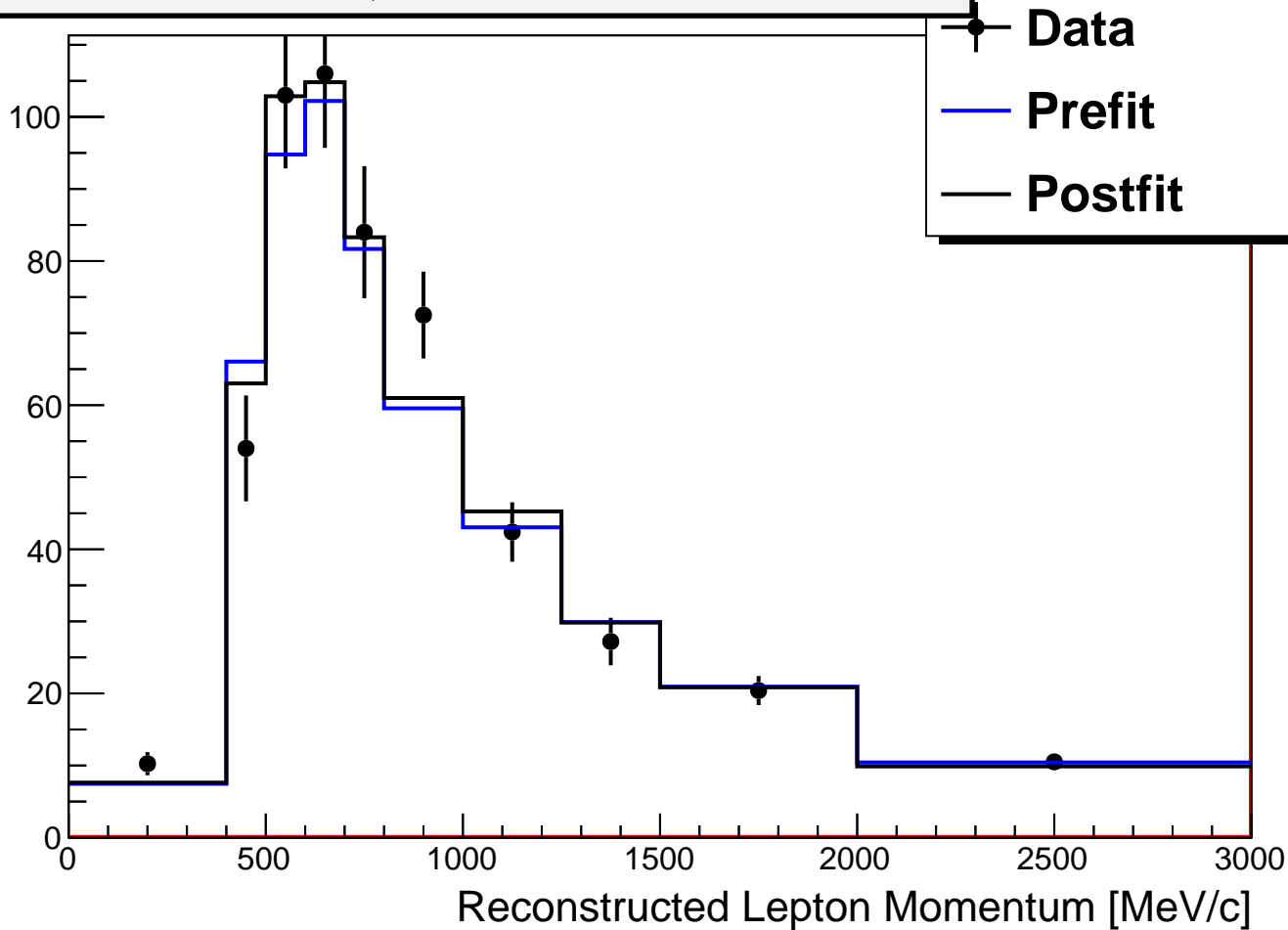


P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.93 < \cos\theta < 0.95$



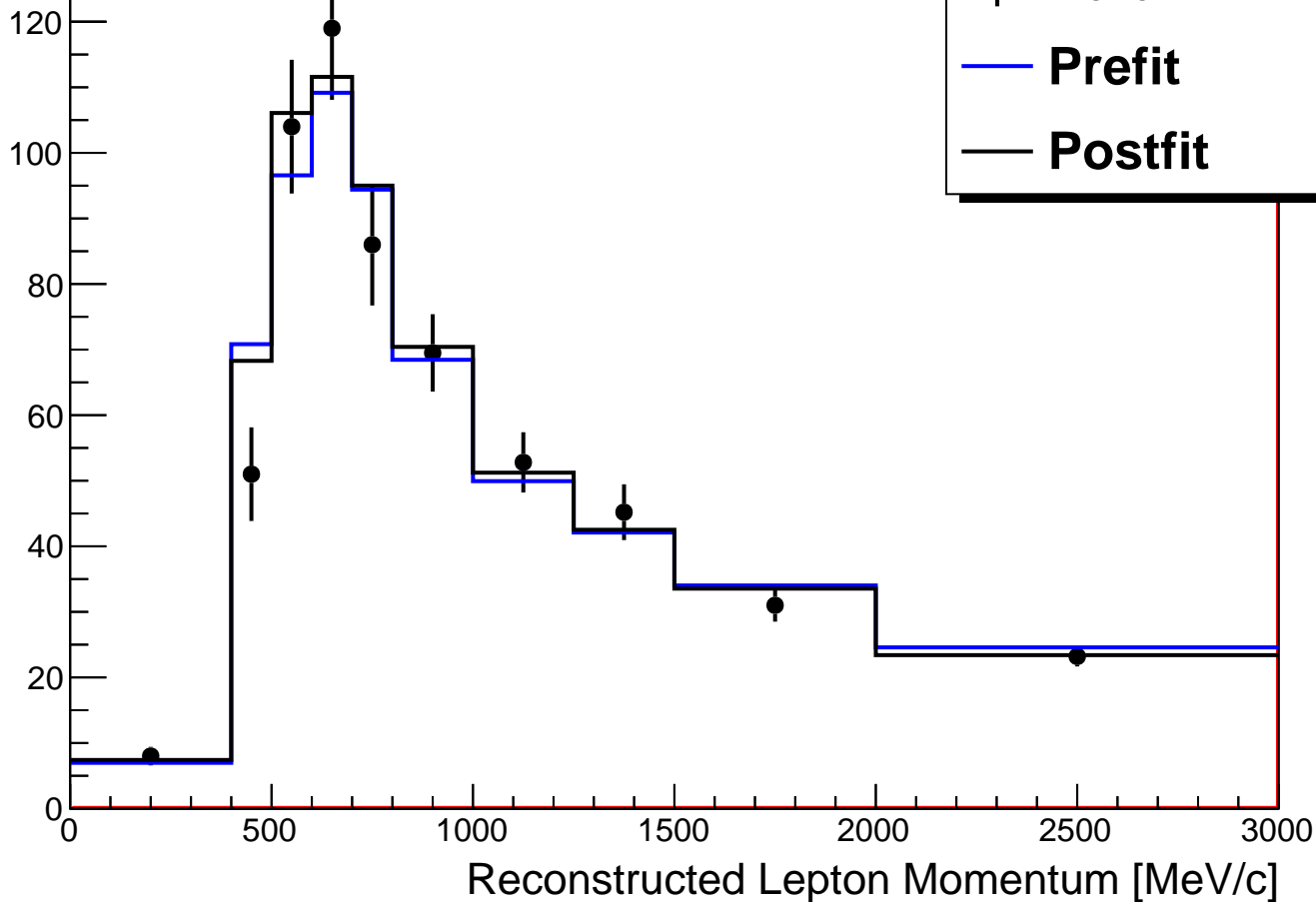
P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.95 < \cos\theta < 0.97$

Events/(100 MeV/c)

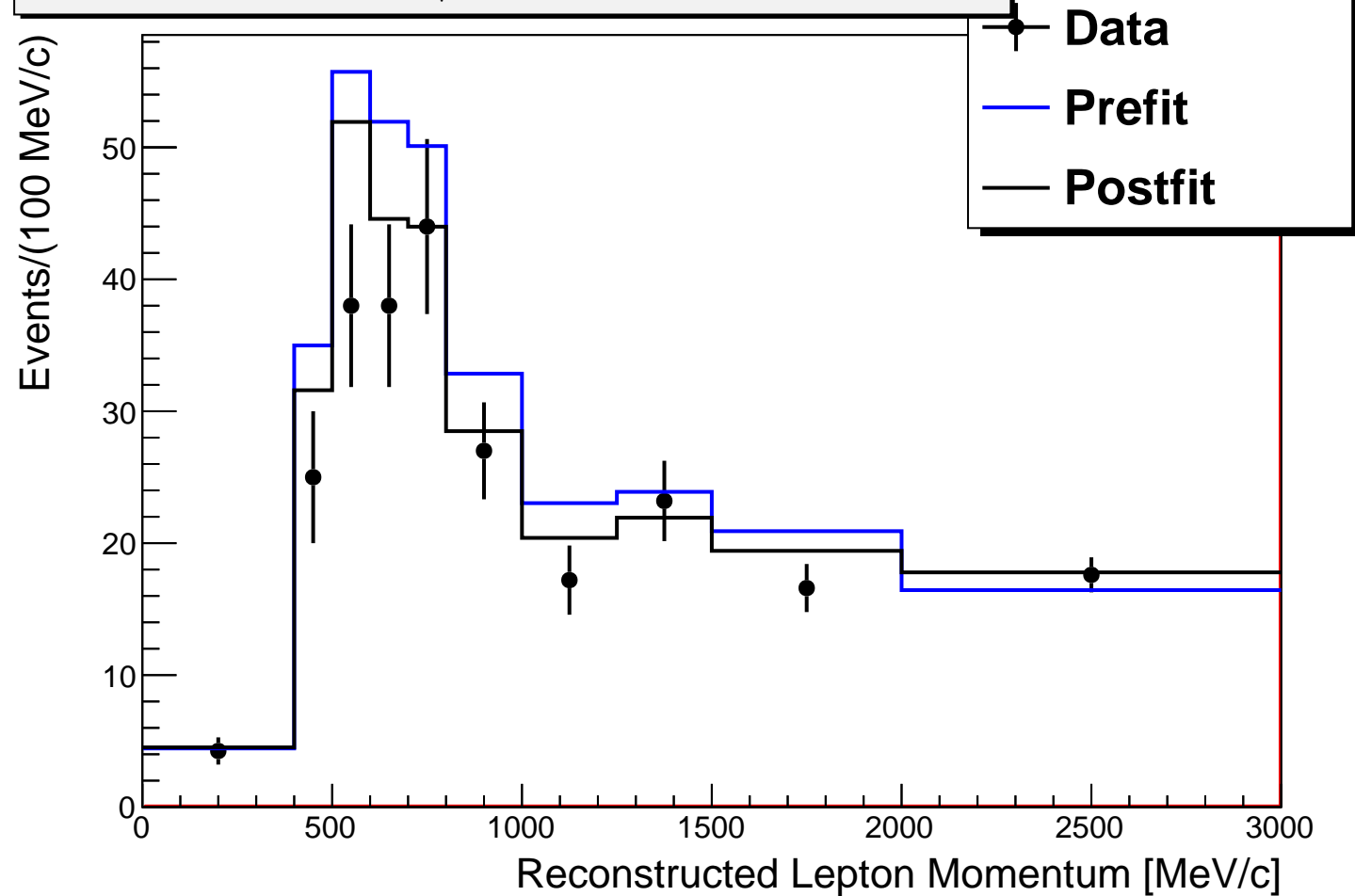


P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.97 < \cos\theta < 0.99$

Events/(100 MeV/c)



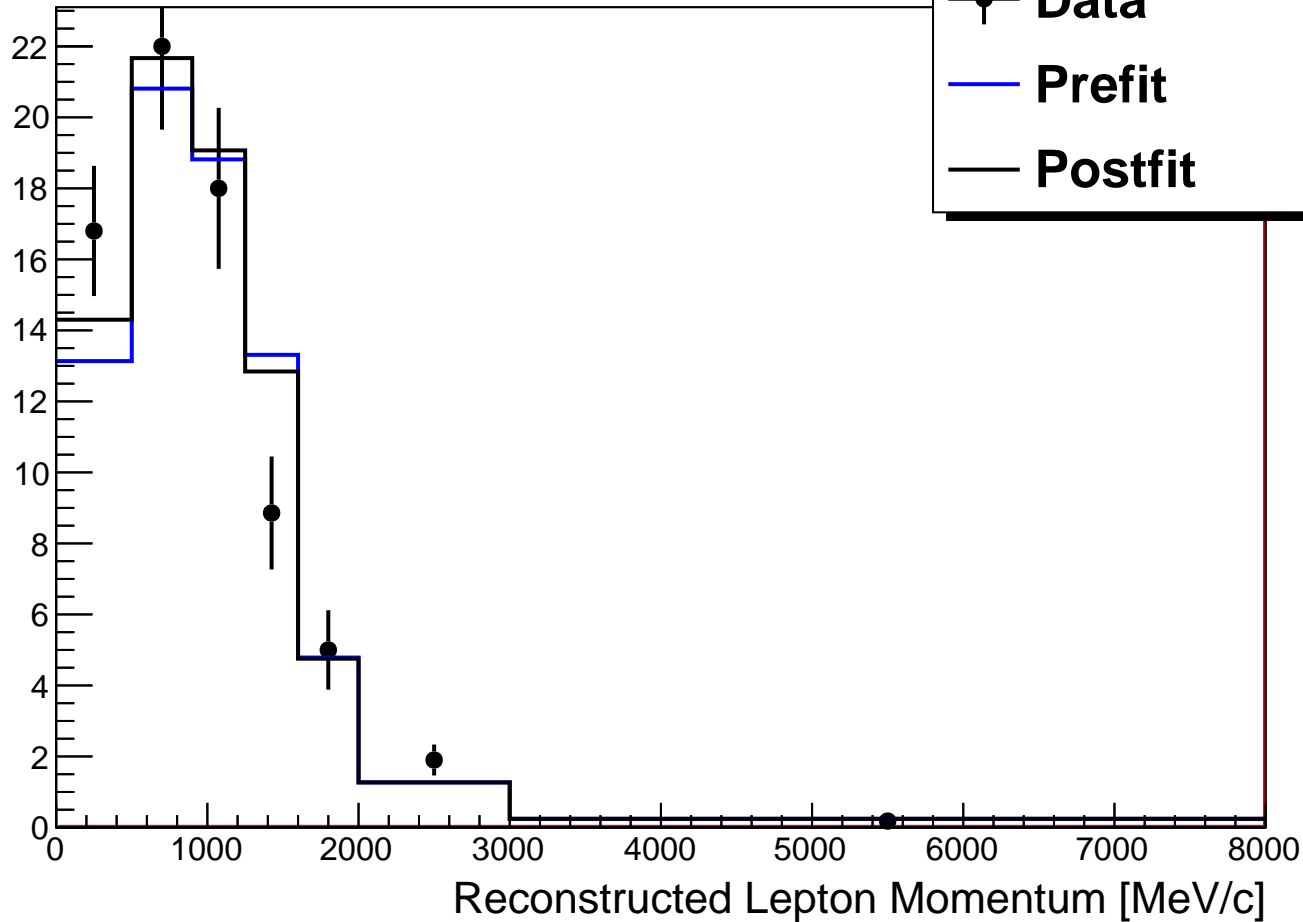
P0D Water-Out RHC $\bar{\nu}_\mu$ CC 1-Track: $0.99 < \cos\theta < 1.0$



P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $-1.0 < \cos\theta < 0.8$

Events/(100 MeV/c)

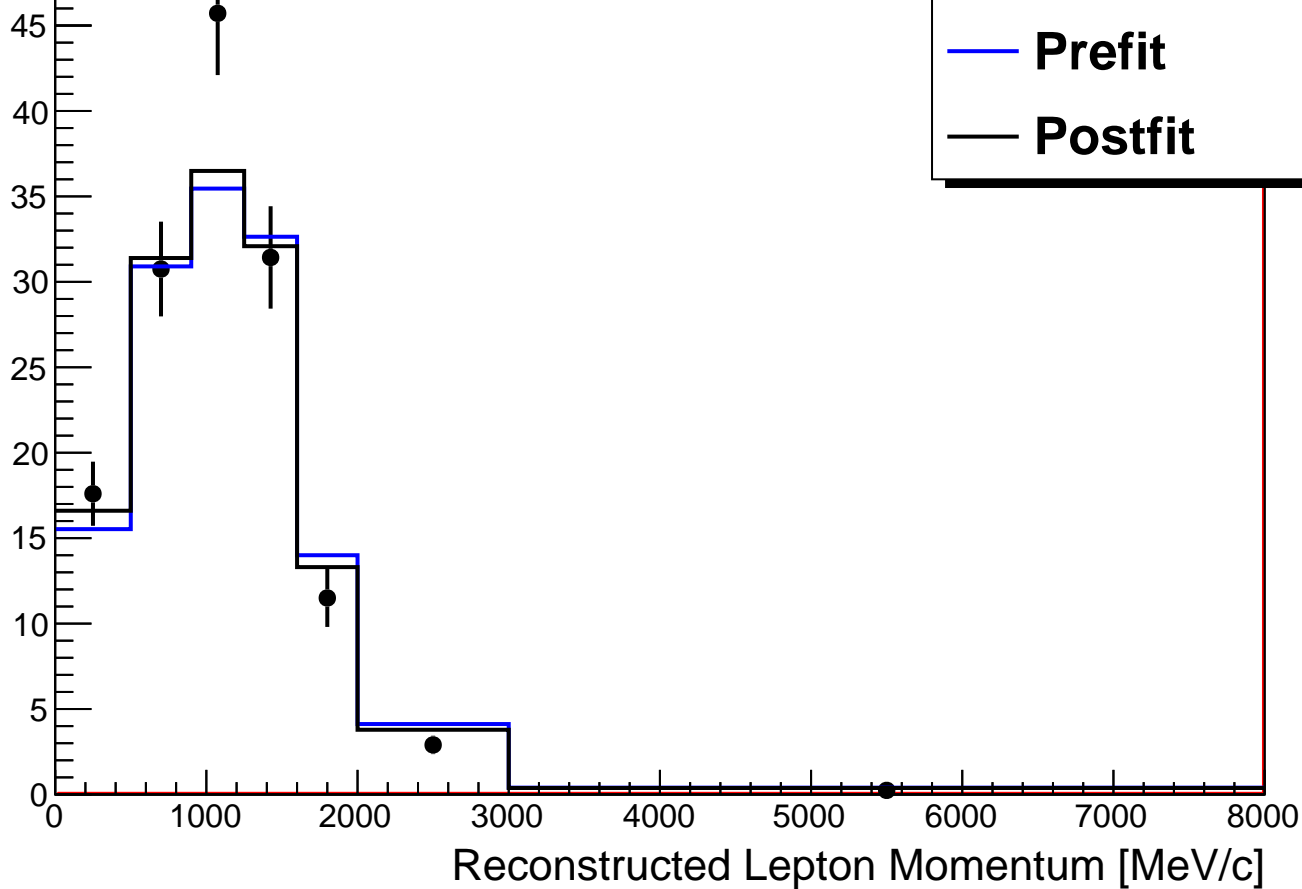
—●— Data
— Prefit
— Postfit



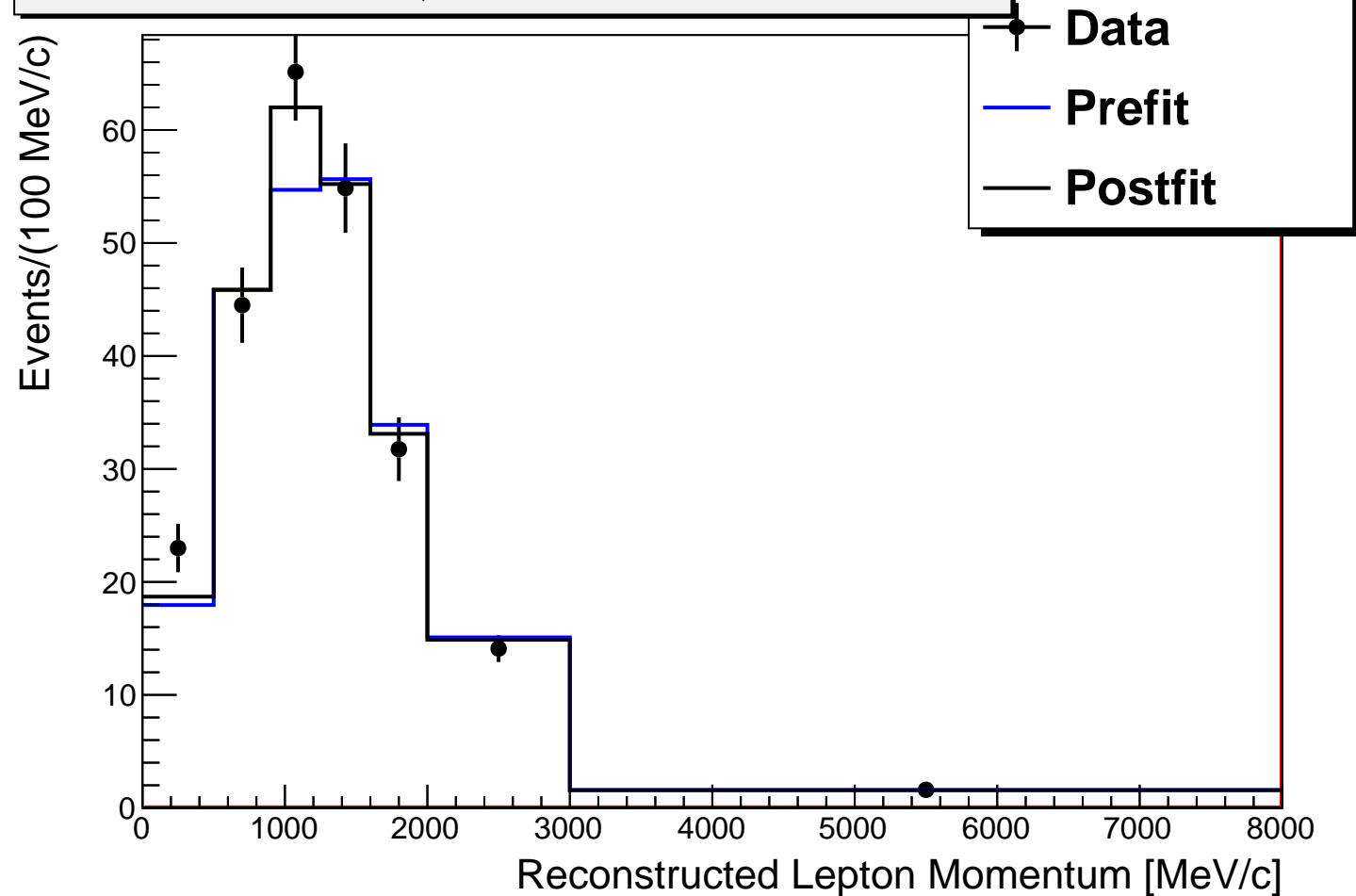
P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.8 < \cos\theta < 0.89$

Events/(100 MeV/c)

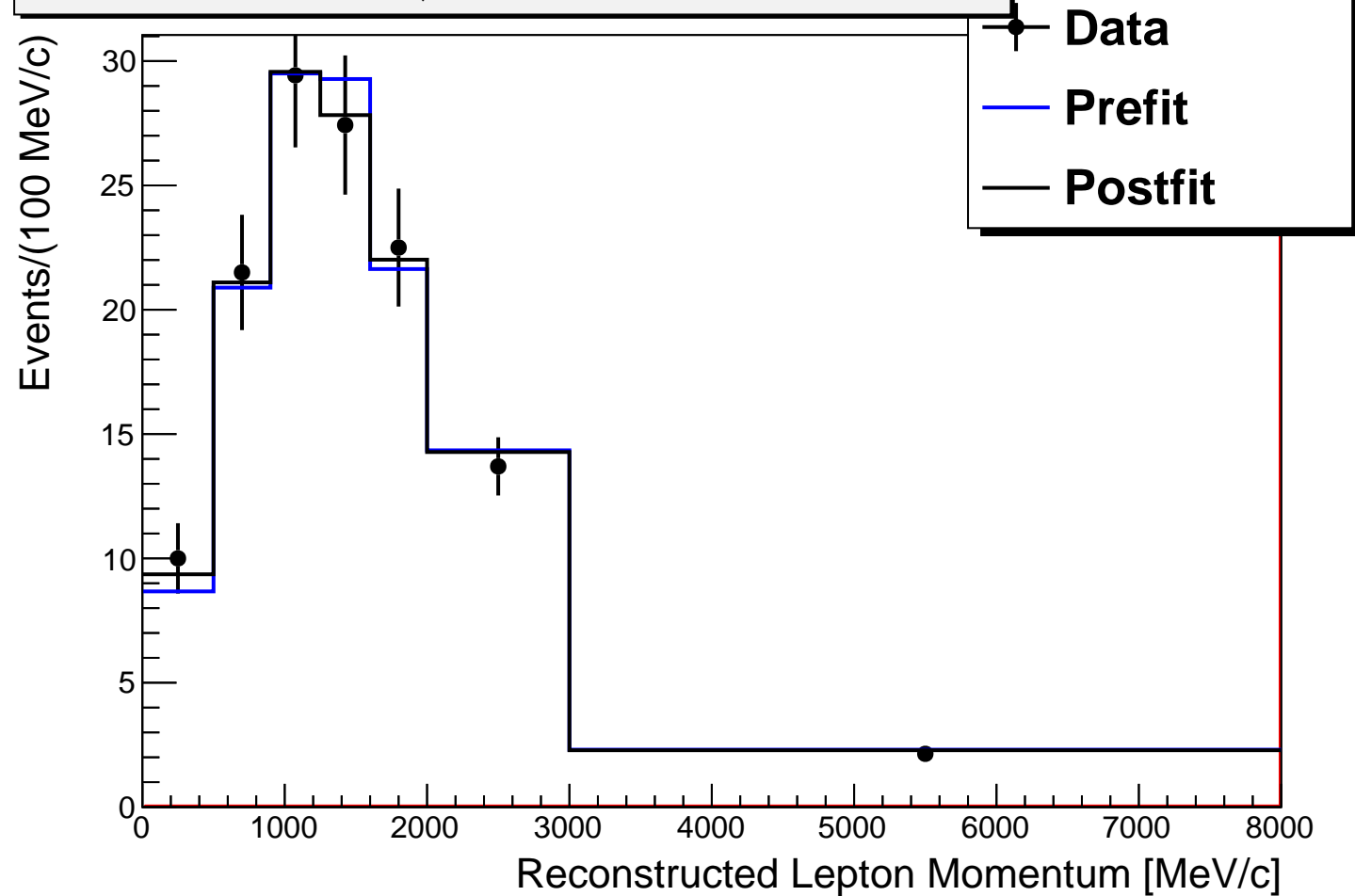
—●— Data
— Prefit
— Postfit



P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.89 < \cos\theta < 0.95$

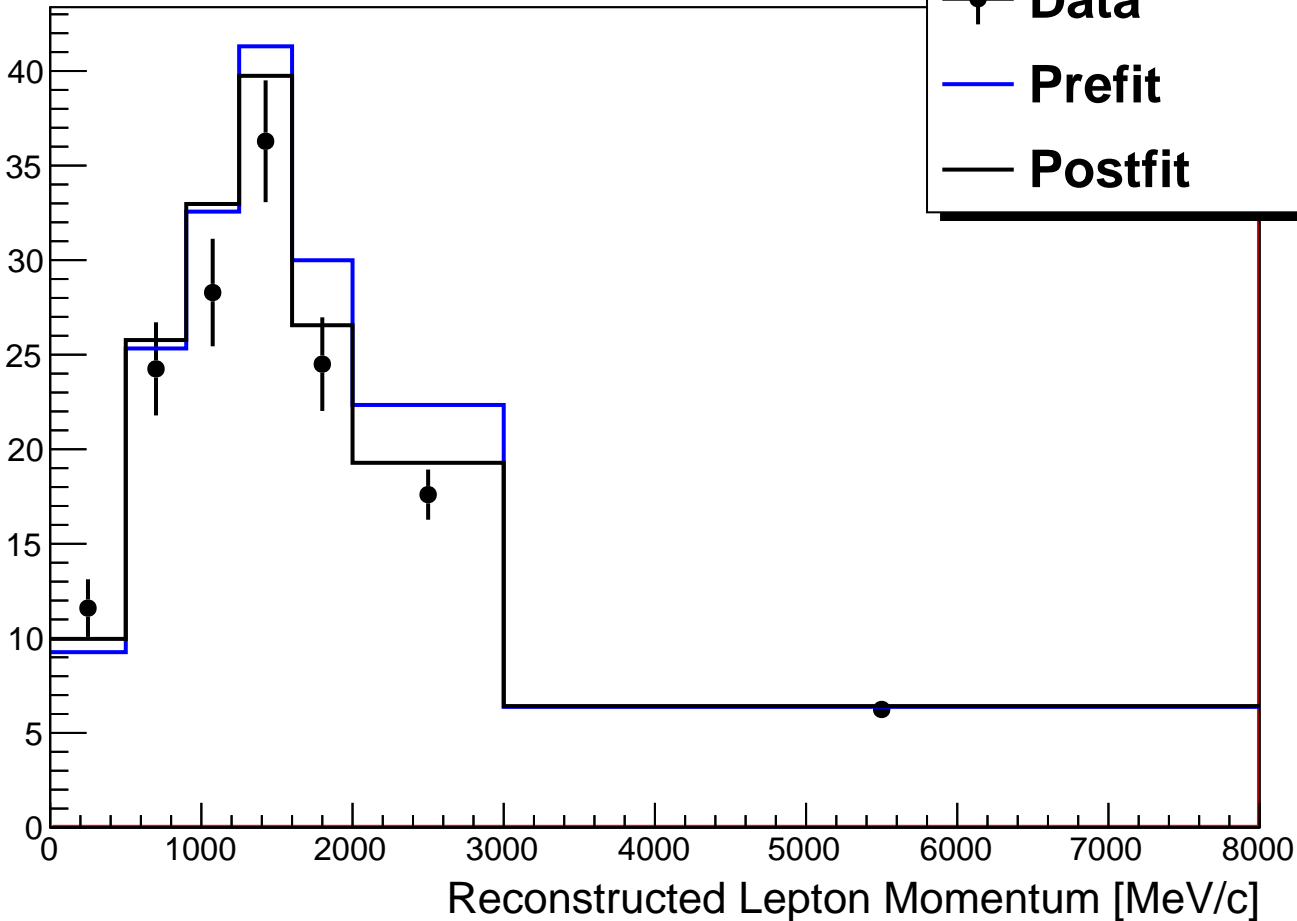


P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.95 < \cos\theta < 0.97$



P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.97 < \cos\theta < 0.99$

Events/(100 MeV/c)



—●— Data

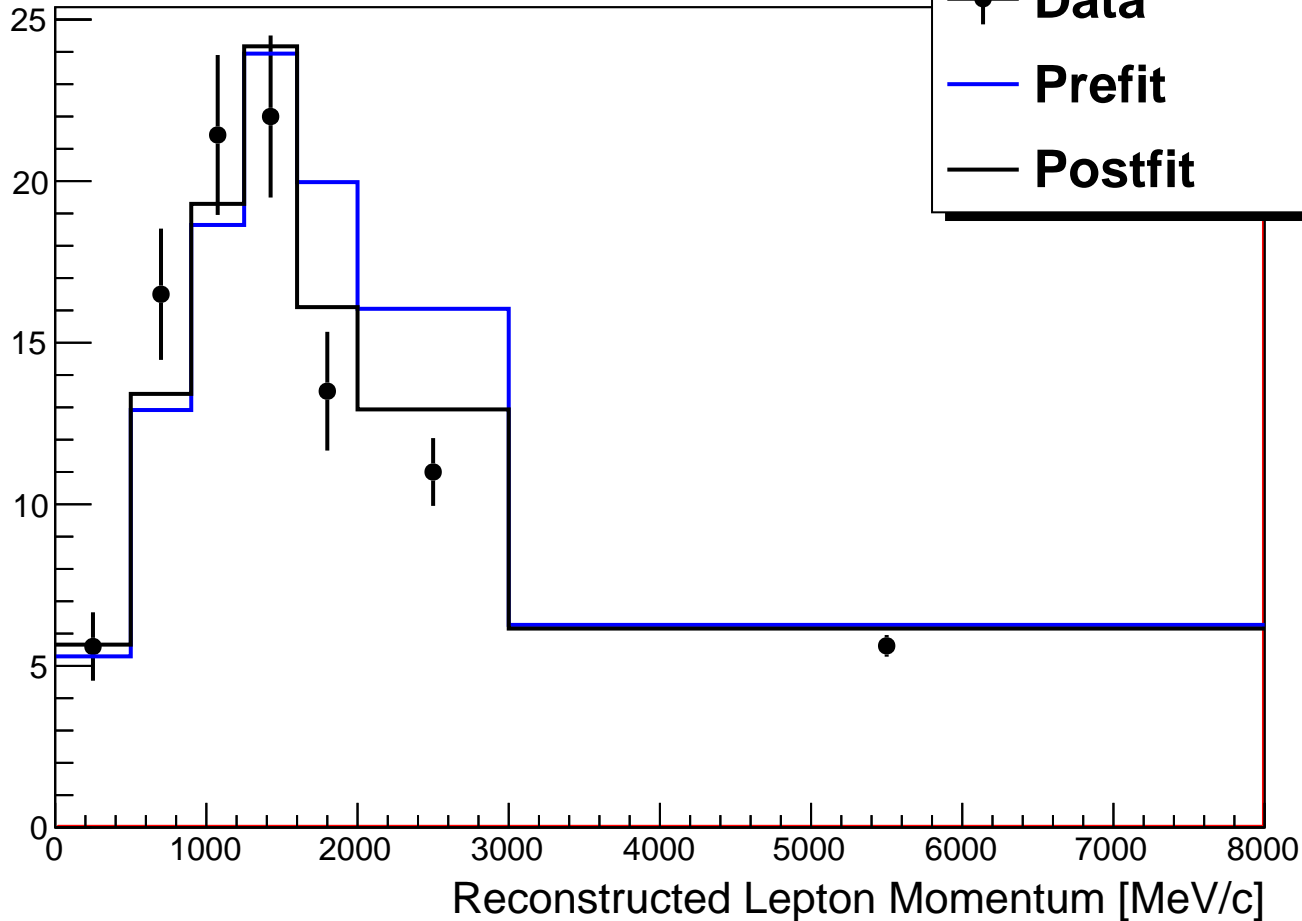
— Prefit

— Postfit

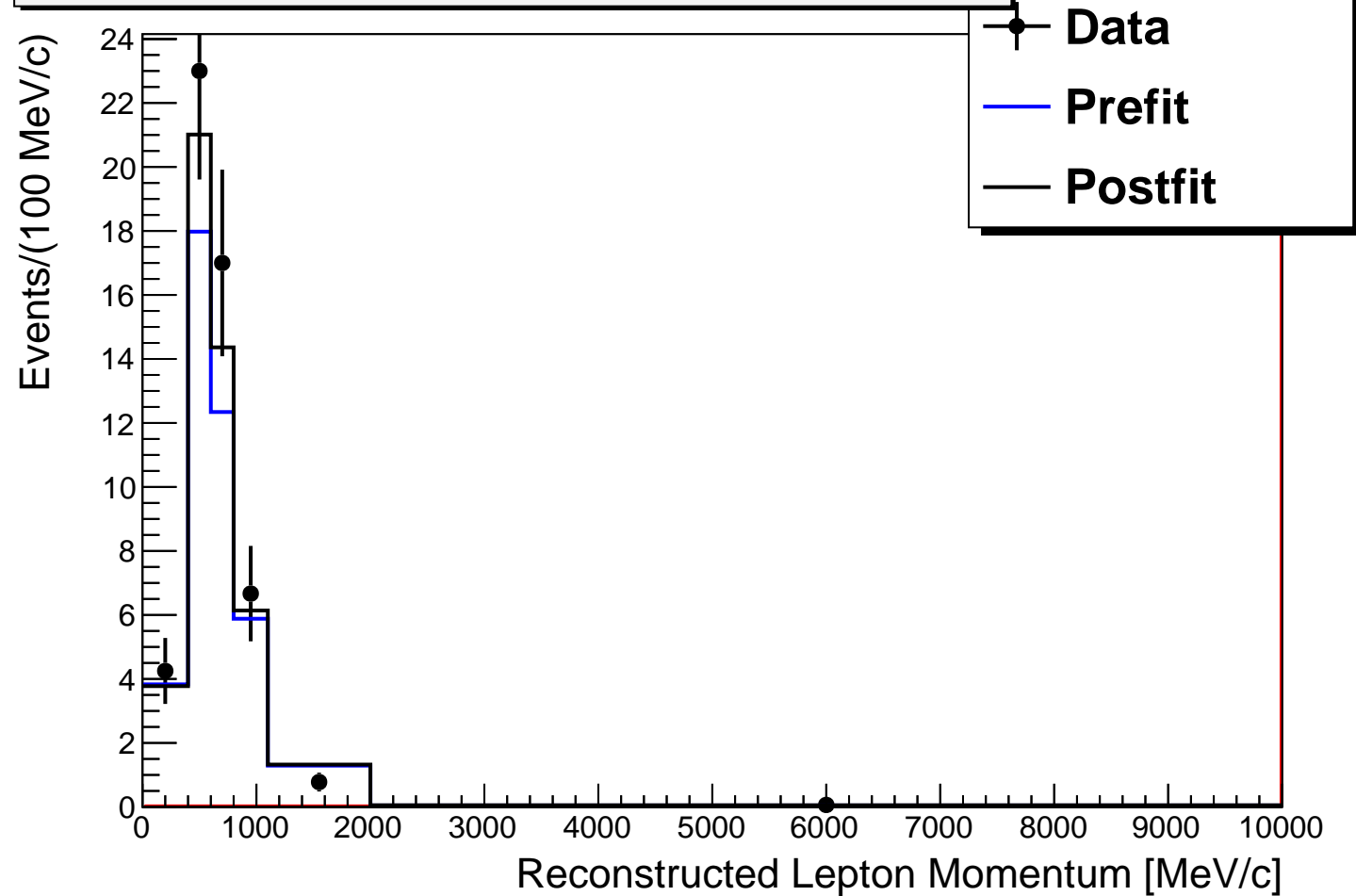
P0D Water-Out RHC $\bar{\nu}_\mu$ CC N-Tracks: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

—●— Data
— Prefit
— Postfit



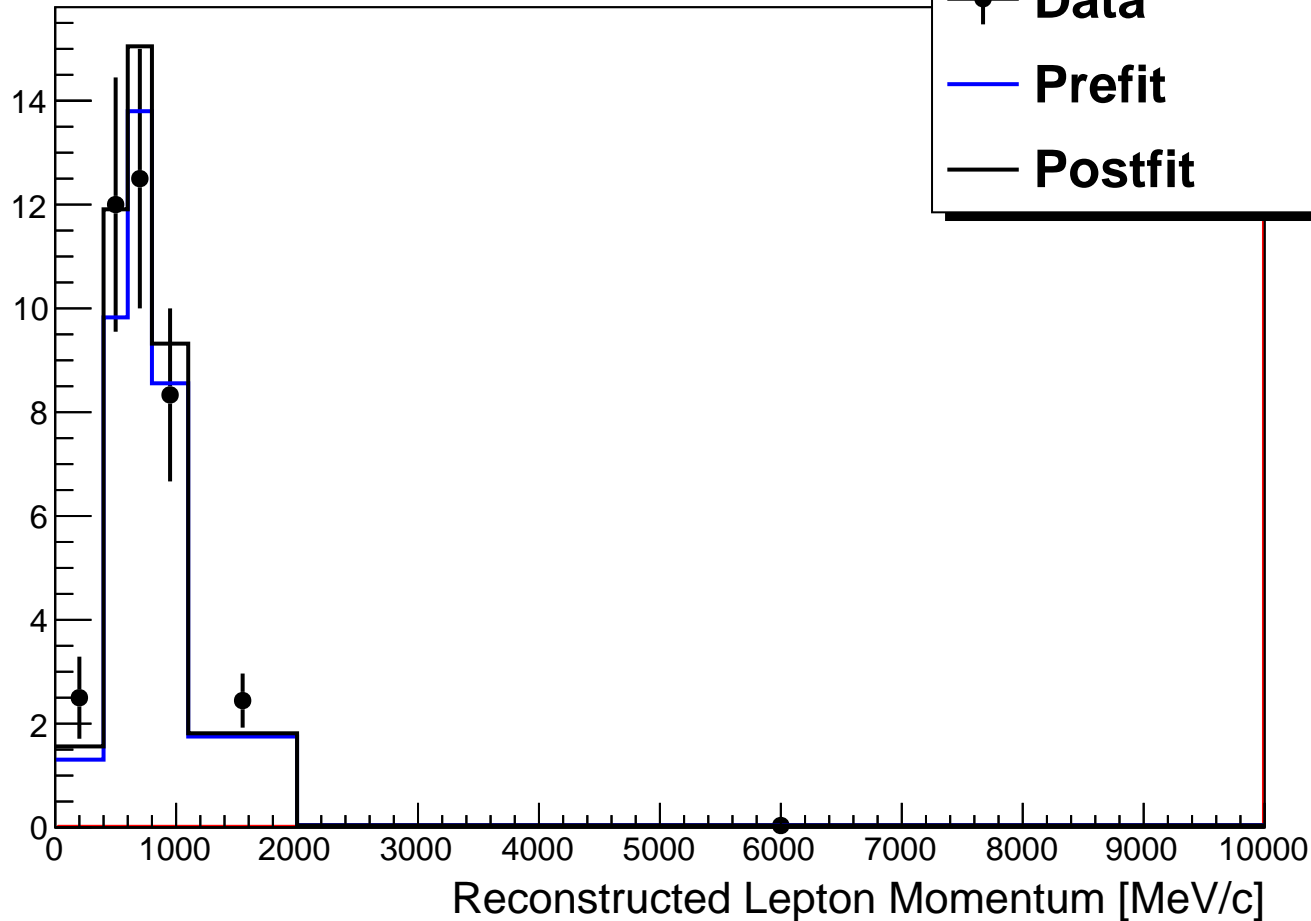
P0D Water-Out RHC ν_μ CC 1-Track: $-1.0 < \cos\theta < 0.78$



P0D Water-Out RHC ν_μ CC 1-Track: $0.78 < \cos\theta < 0.84$

Events/(100 MeV/c)

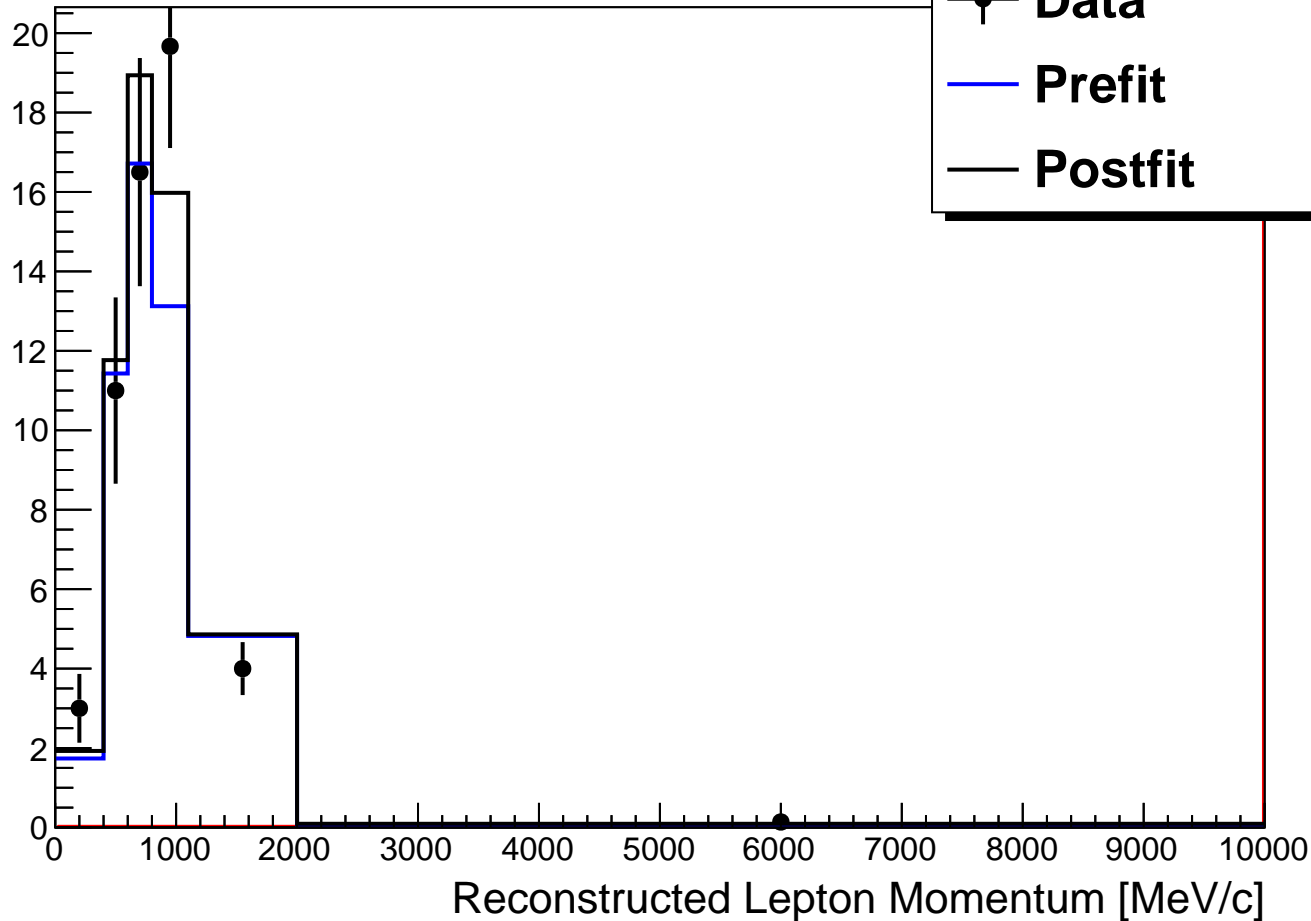
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC 1-Track: $0.84 < \cos\theta < 0.89$

Events/(100 MeV/c)

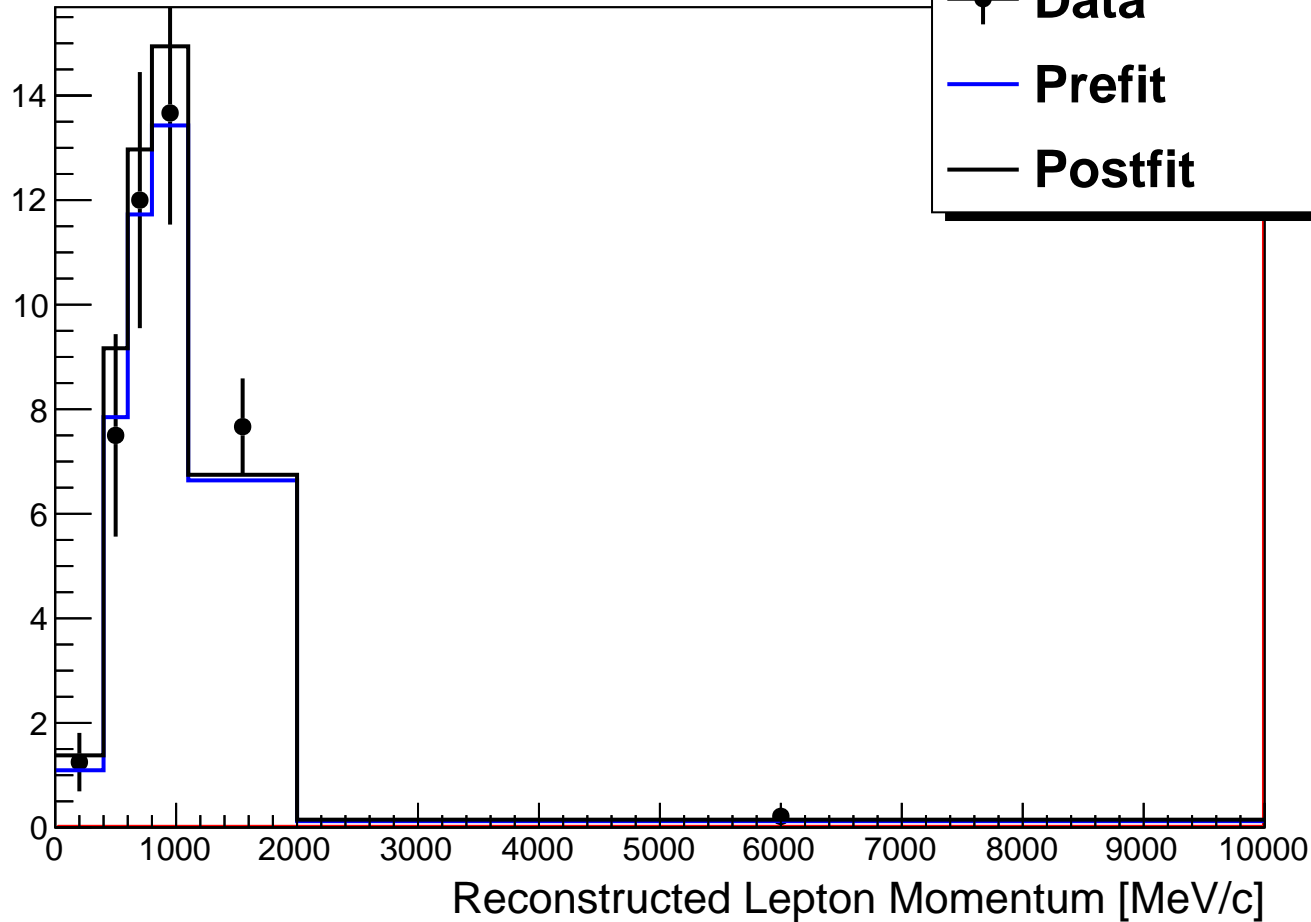
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC 1-Track: $0.89 < \cos\theta < 0.92$

Events/(100 MeV/c)

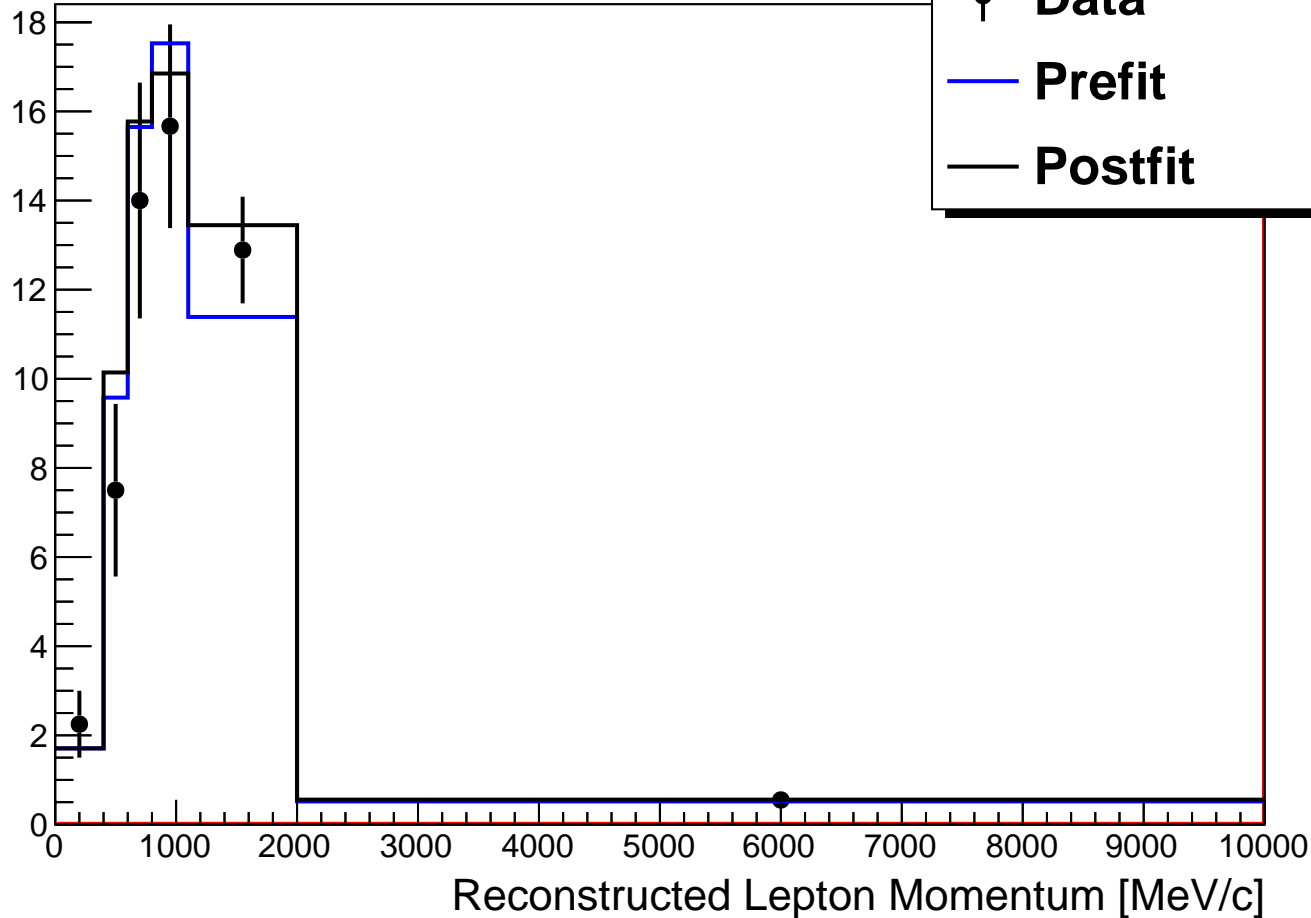
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC 1-Track: $0.92 < \cos\theta < 0.95$

Events/(100 MeV/c)

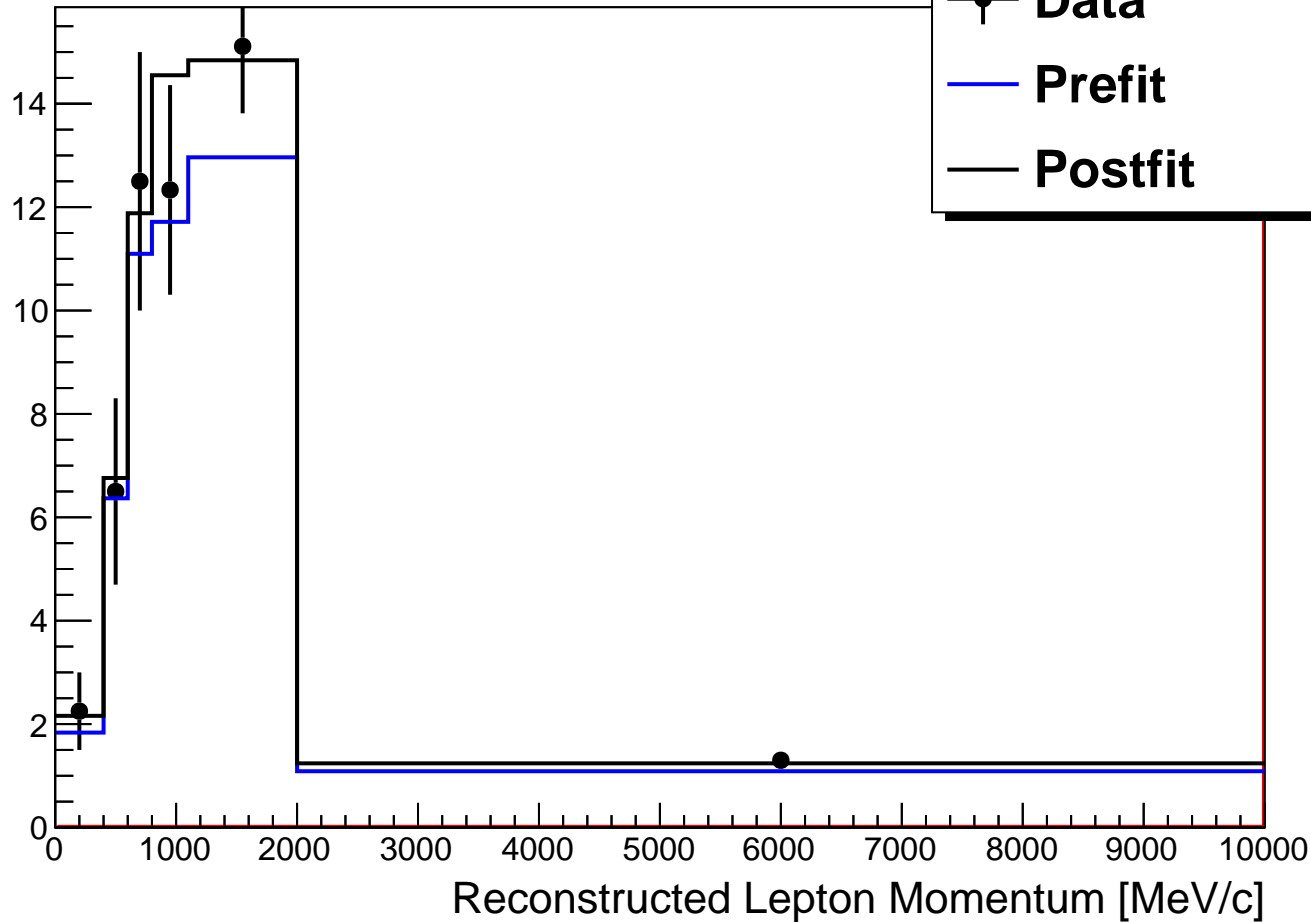
—●— Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC 1-Track: $0.95 < \cos\theta < 0.97$

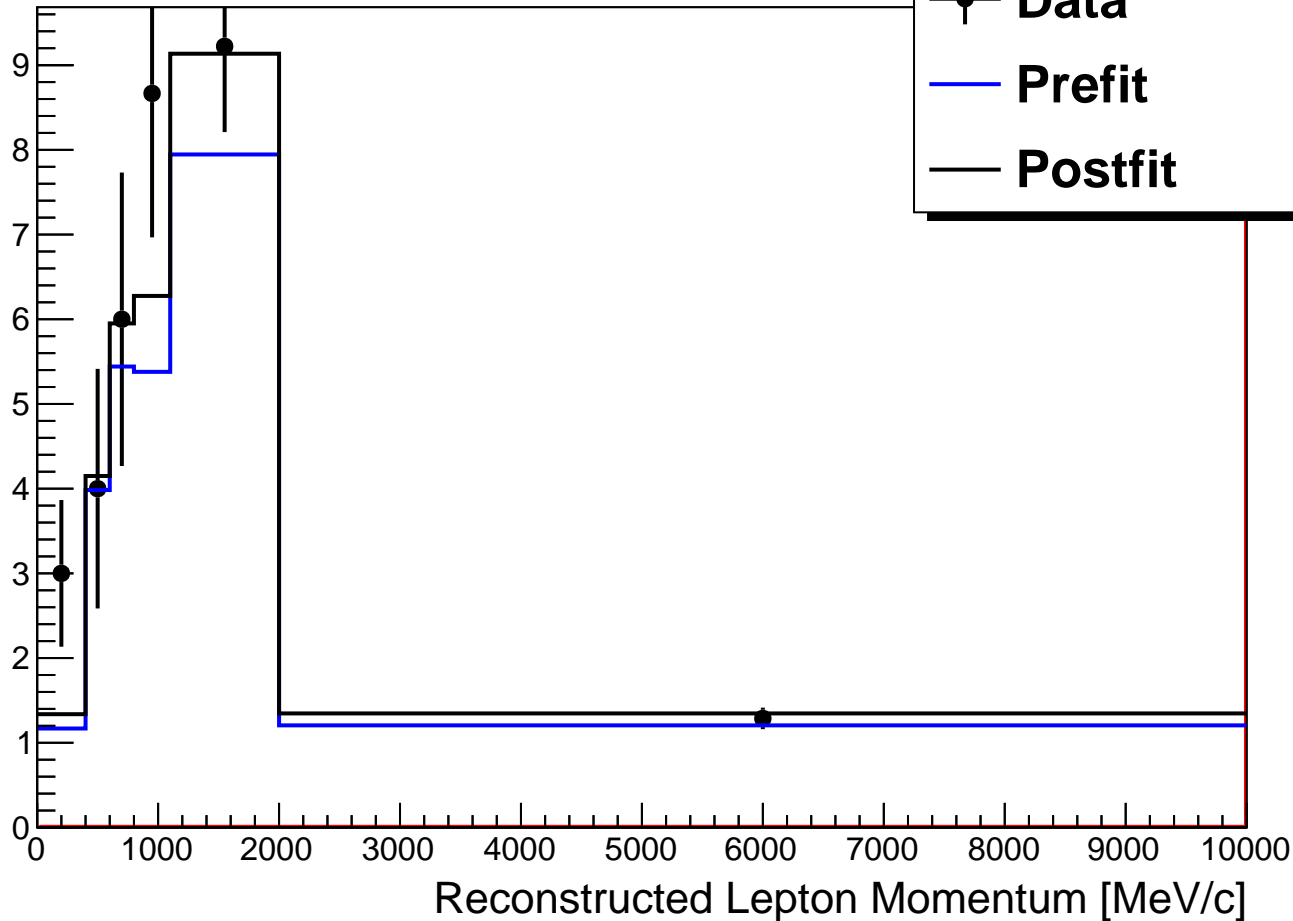
Events/(100 MeV/c)

—●— Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC 1-Track: $0.97 < \cos\theta < 0.98$

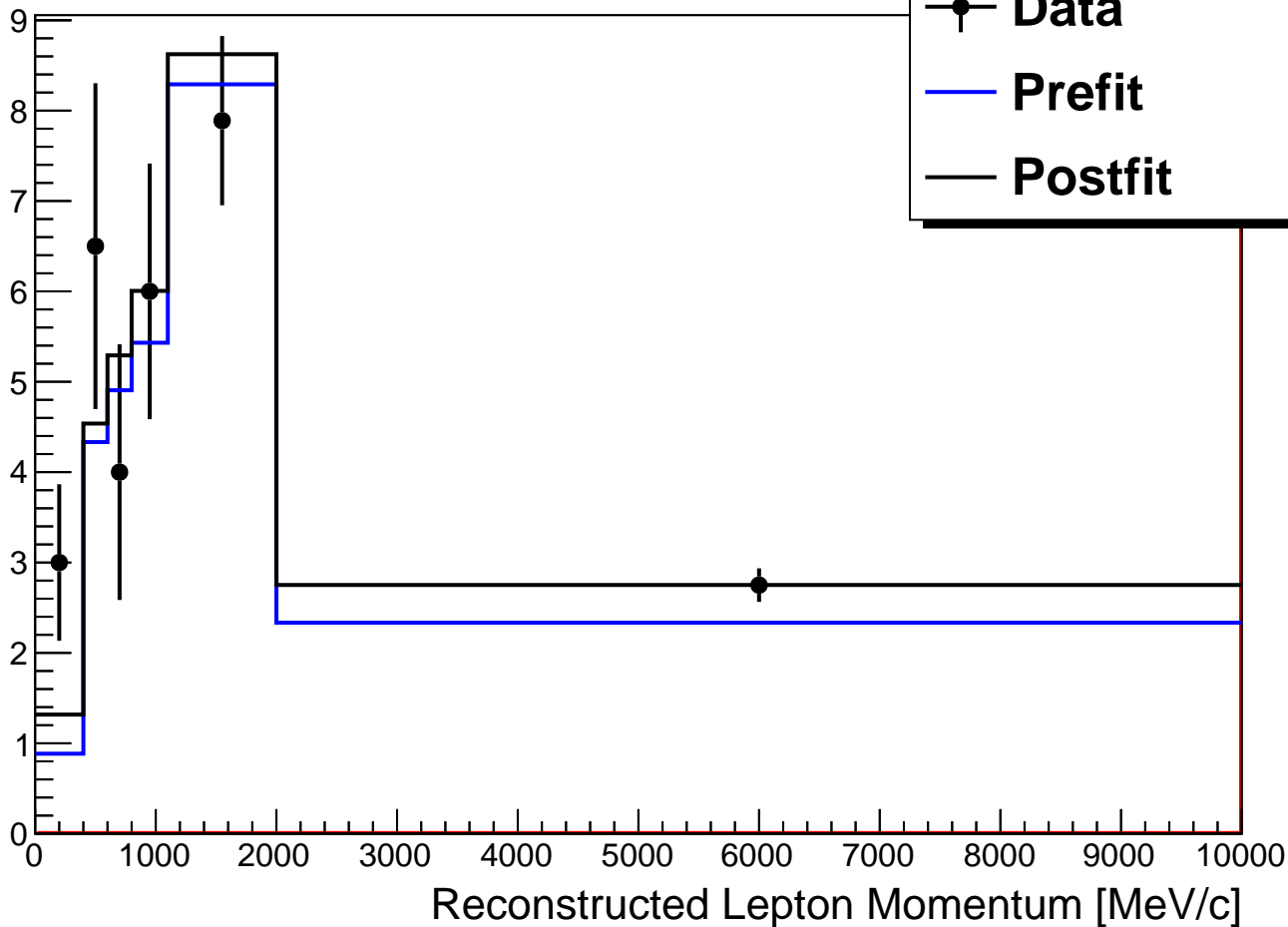
Events/(100 MeV/c)



P0D Water-Out RHC ν_μ CC 1-Track: $0.98 < \cos\theta < 0.99$

Events/(100 MeV/c)

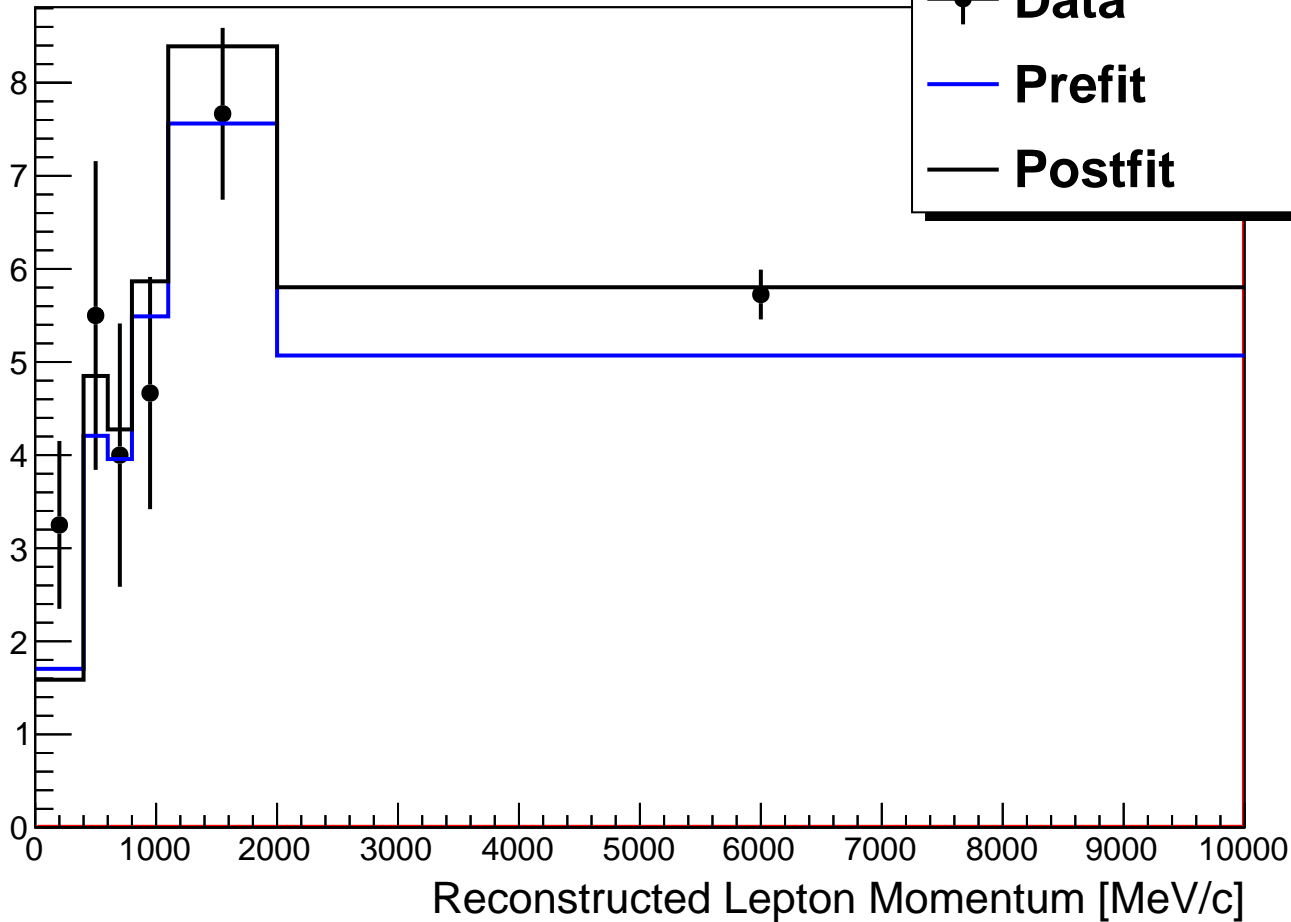
—●— Data
— Prefit
— Postfit



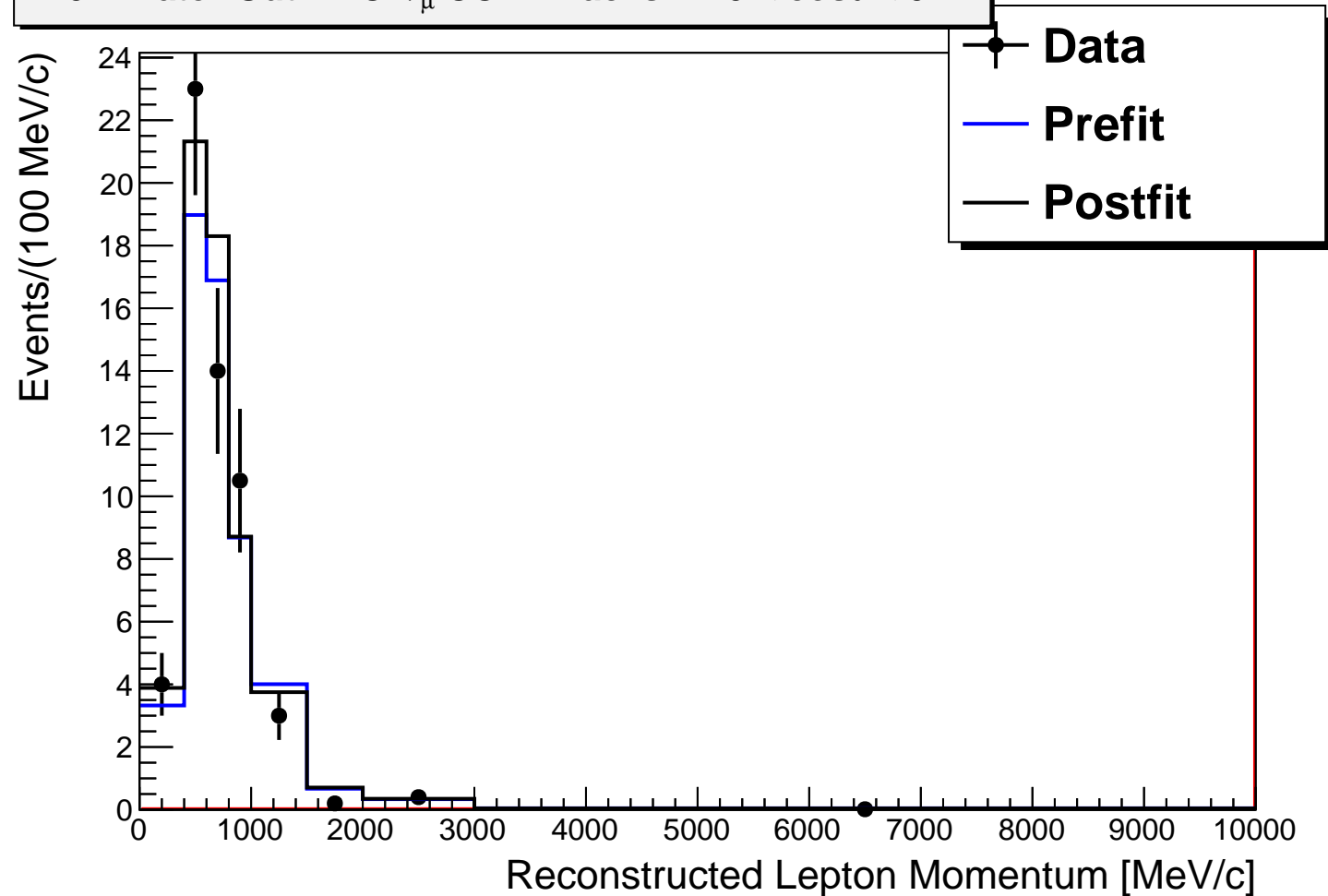
P0D Water-Out RHC ν_μ CC 1-Track: $0.99 < \cos\theta < 1.0$

Events/(100 MeV/c)

● Data
— Prefit
— Postfit



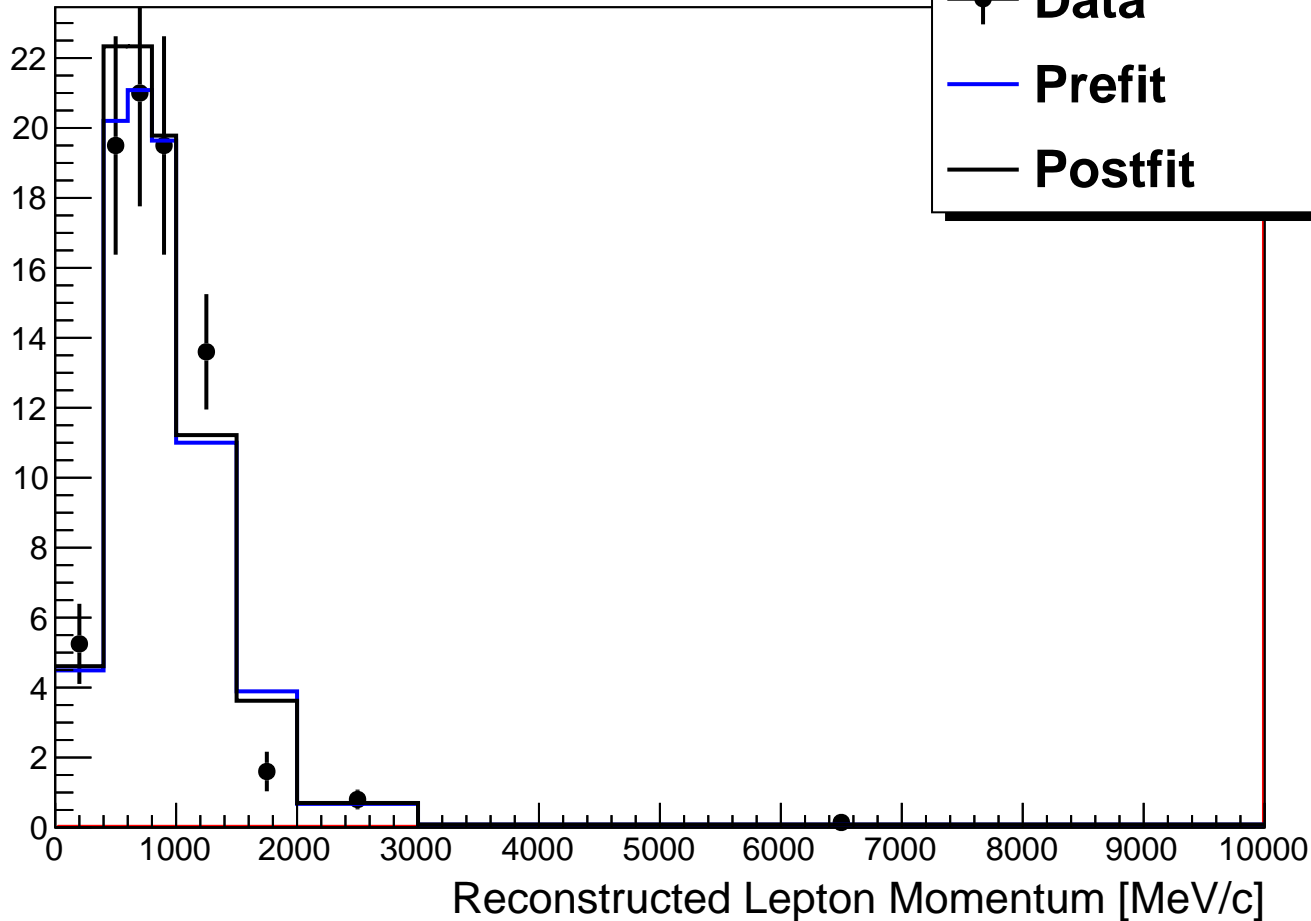
P0D Water-Out RHC ν_μ CC N-Tracks: $-1.0 < \cos\theta < 0.7$



P0D Water-Out RHC ν_μ CC N-Tracks: $0.7 < \cos\theta < 0.8$

Events/(100 MeV/c)

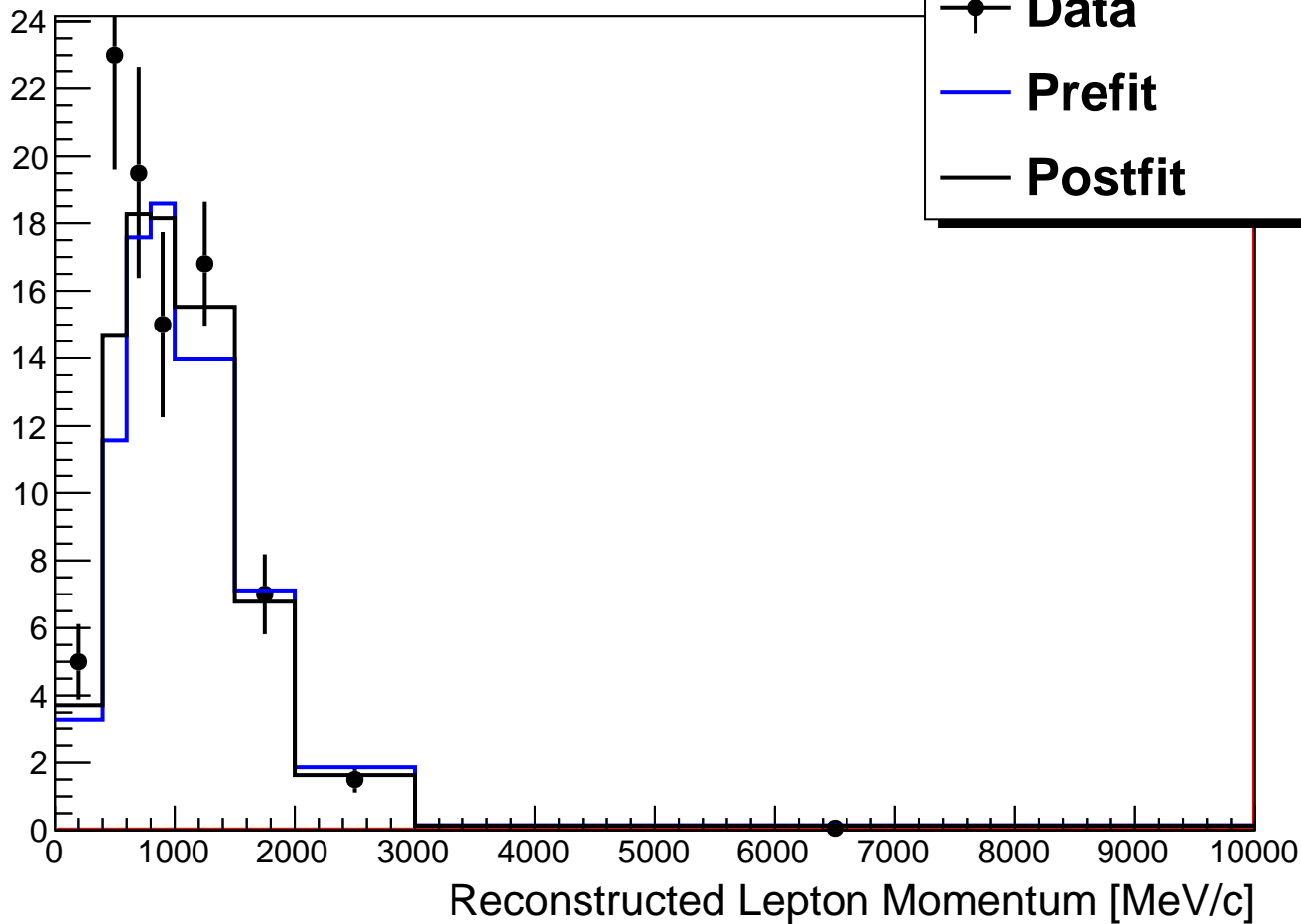
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC N-Tracks: $0.8 < \cos\theta < 0.85$

Events/(100 MeV/c)

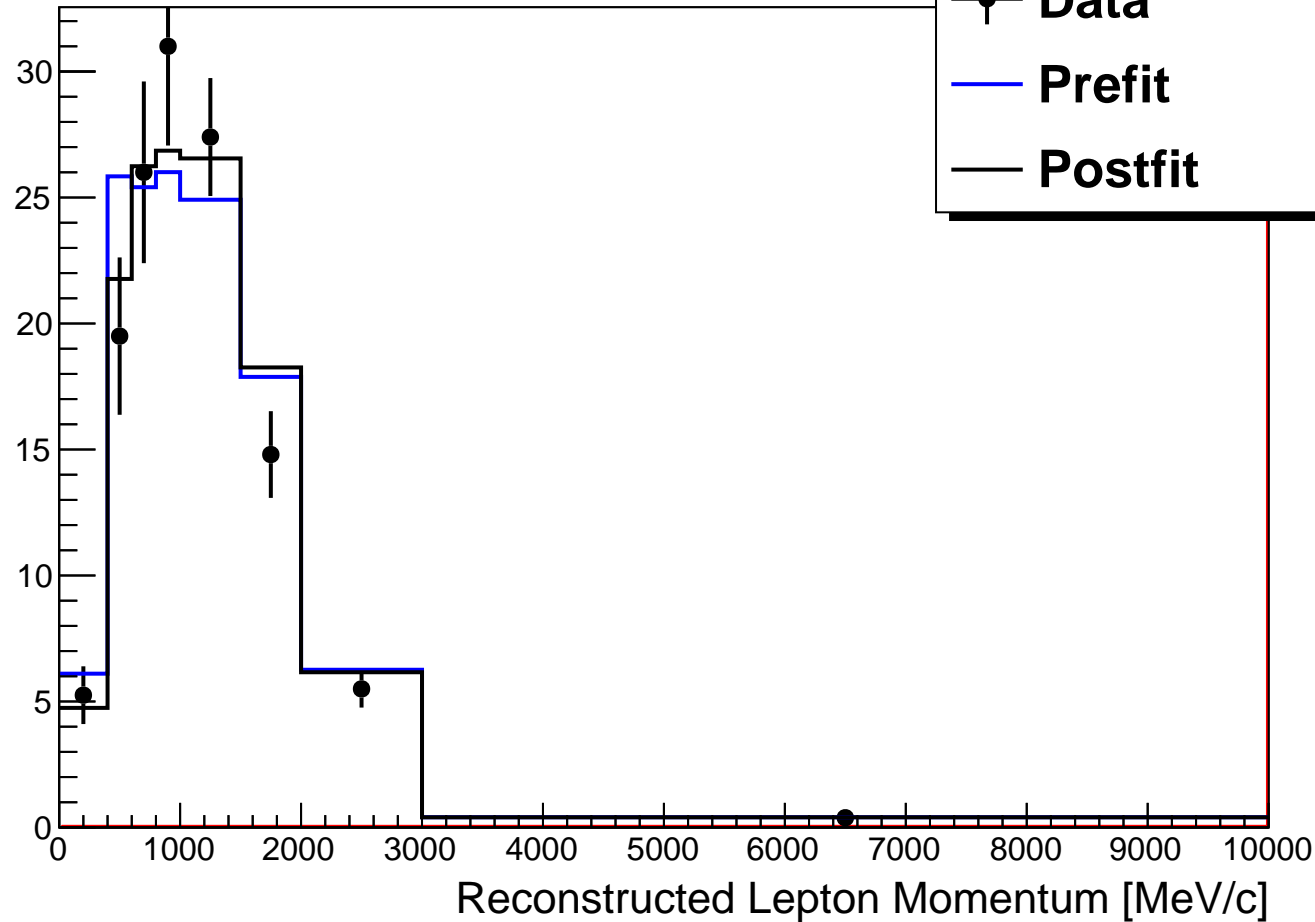
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC N-Tracks: $0.85 < \cos\theta < 0.9$

Events/(100 MeV/c)

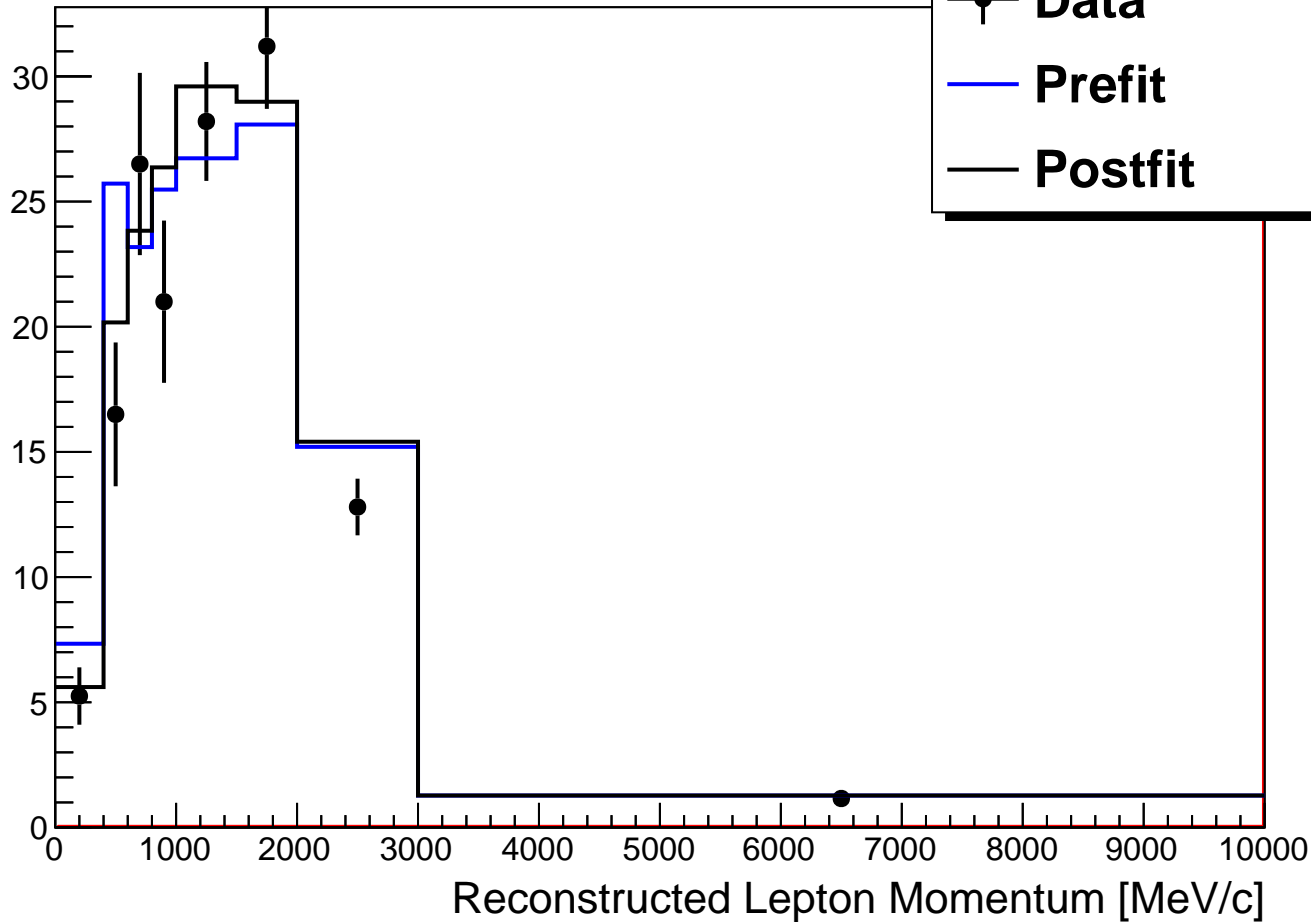
● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC N-Tracks: $0.9 < \cos\theta < 0.94$

Events/(100 MeV/c)

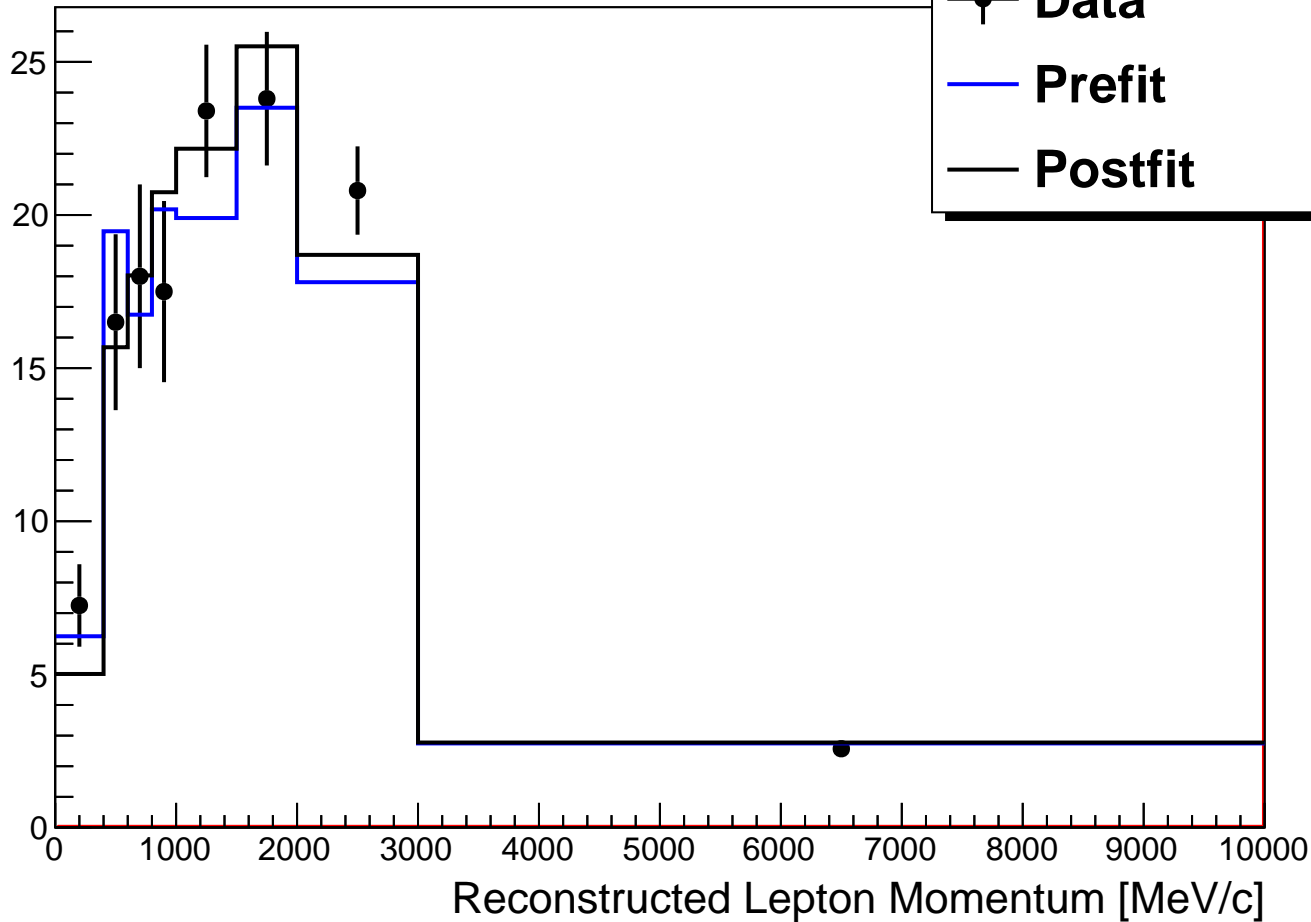
—●— Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC N-Tracks: $0.94 < \cos\theta < 0.965$

Events/(100 MeV/c)

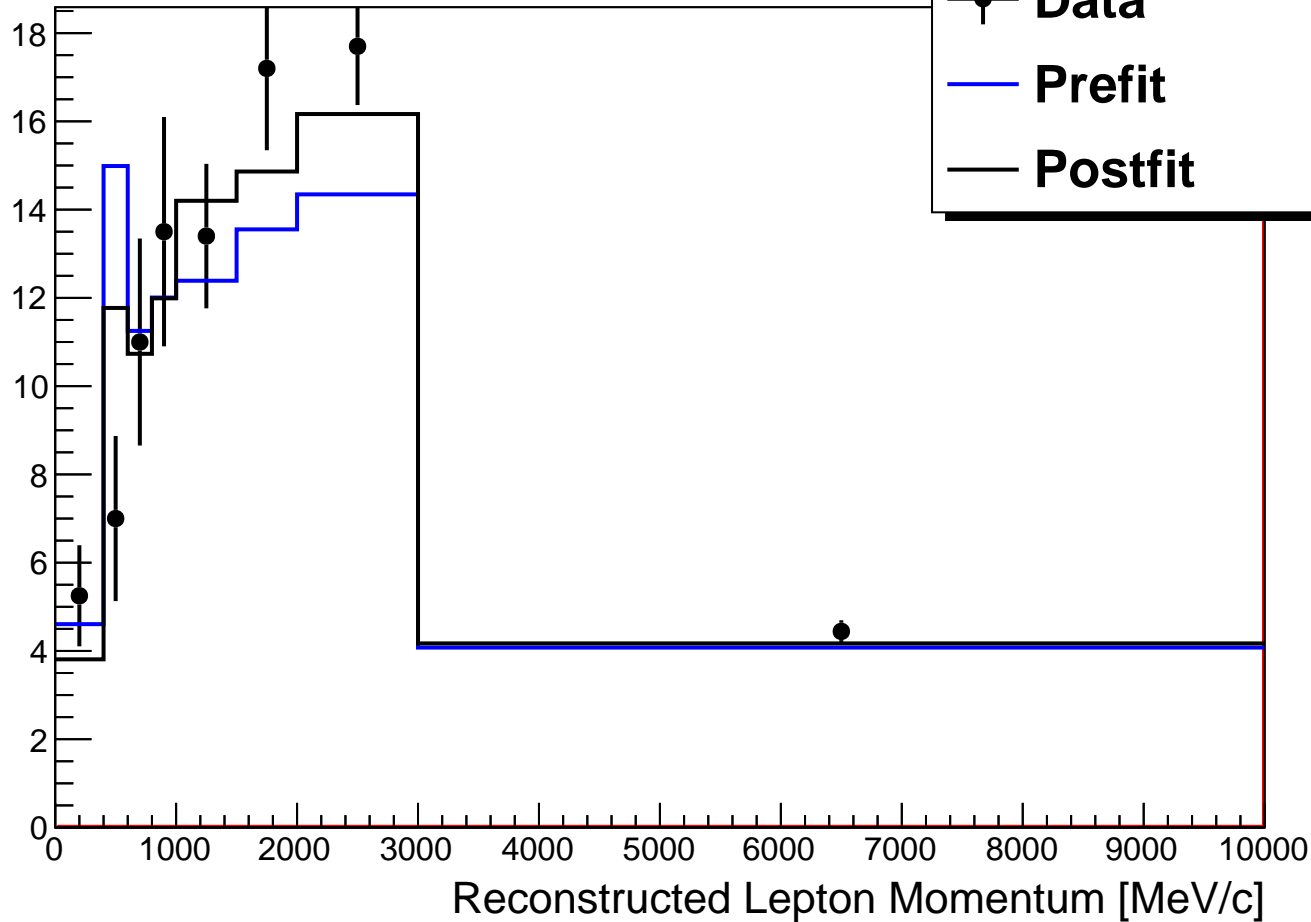
● Data
— Prefit
— Postfit



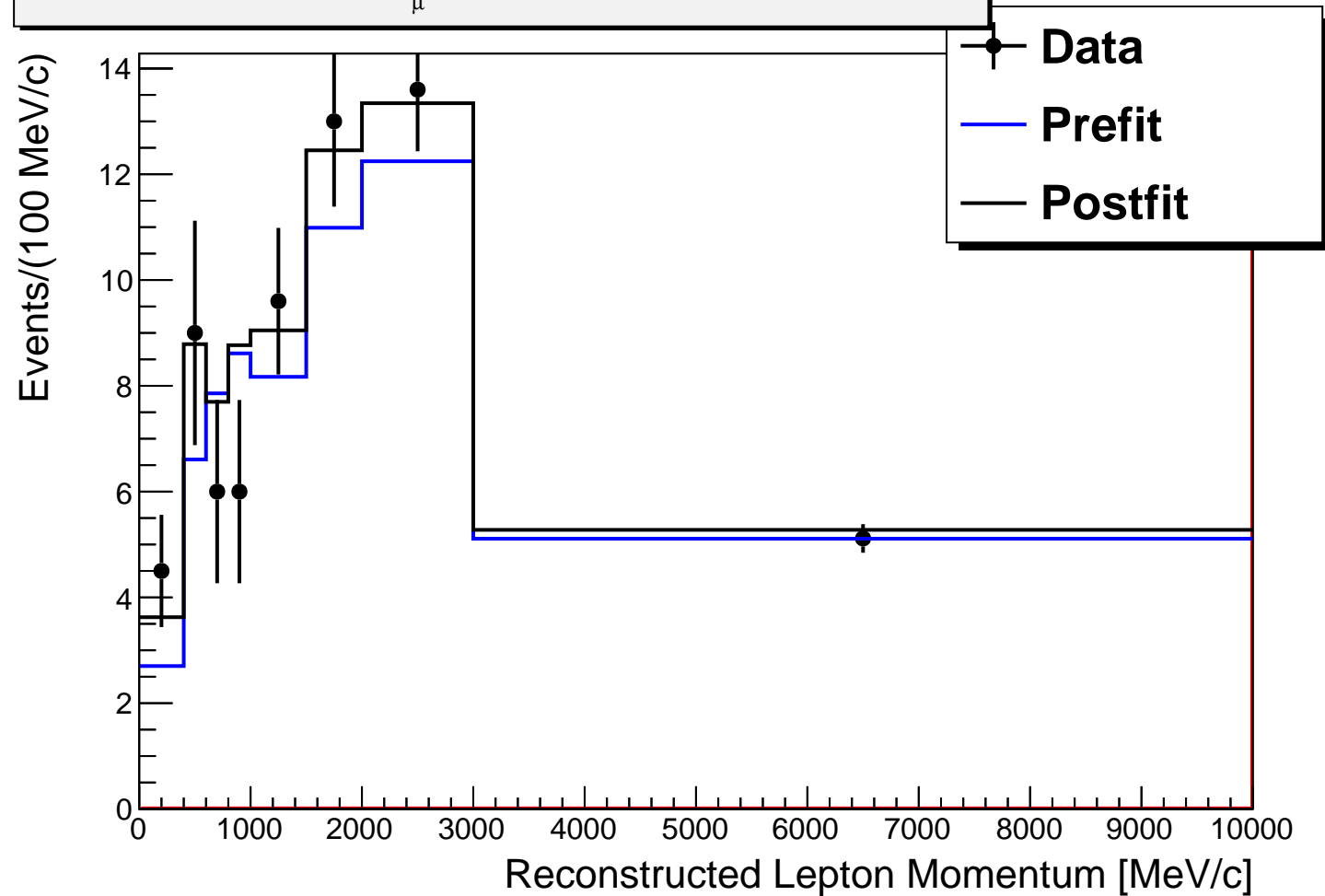
P0D Water-Out RHC ν_μ CC N-Tracks: $0.965 < \cos\theta < 0.98$

Events/(100 MeV/c)

● Data
— Prefit
— Postfit



P0D Water-Out RHC ν_μ CC N-Tracks: $0.98 < \cos\theta < 0.99$



P0D Water-Out RHC ν_μ CC N-Tracks: $0.99 < \cos\theta < 1.0$

