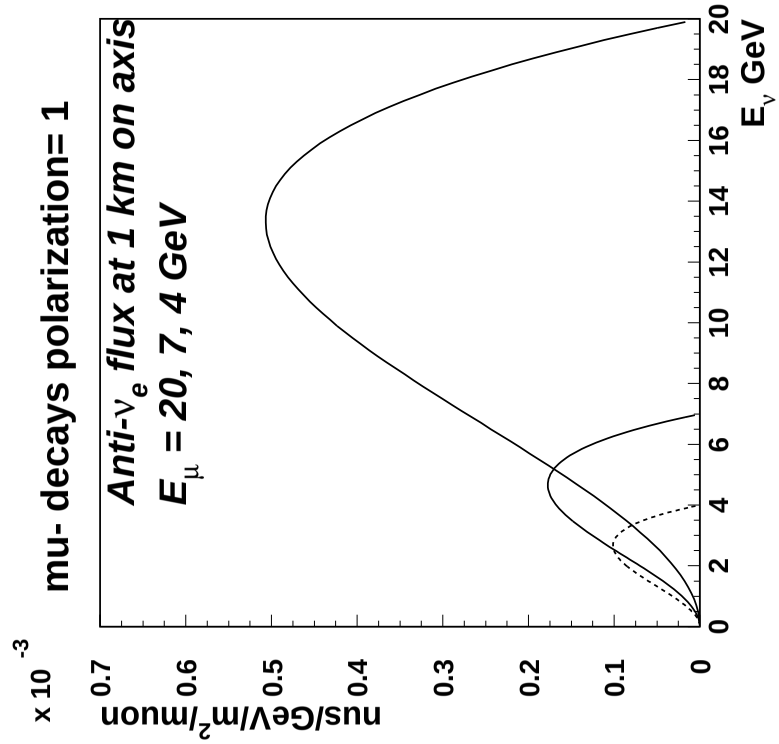
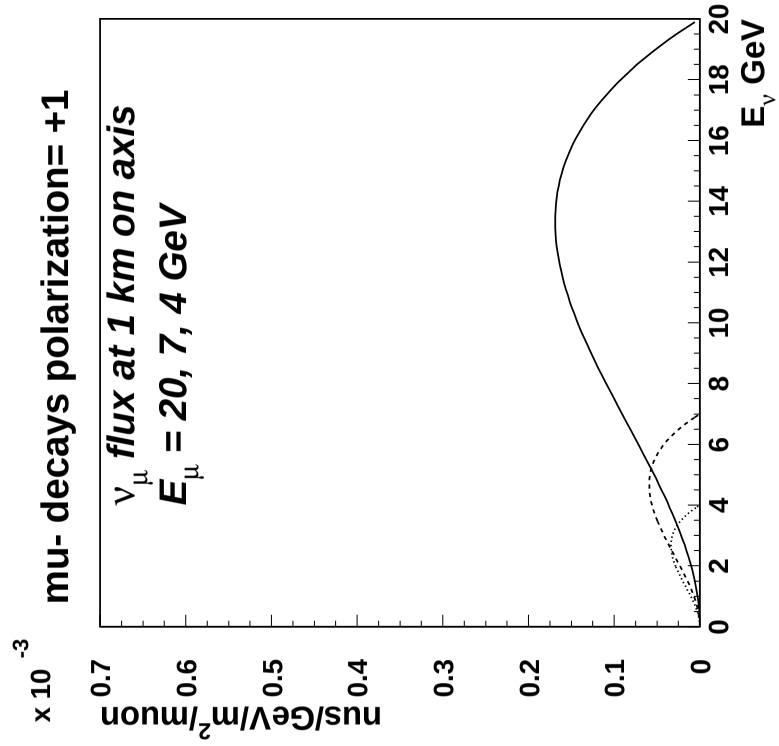
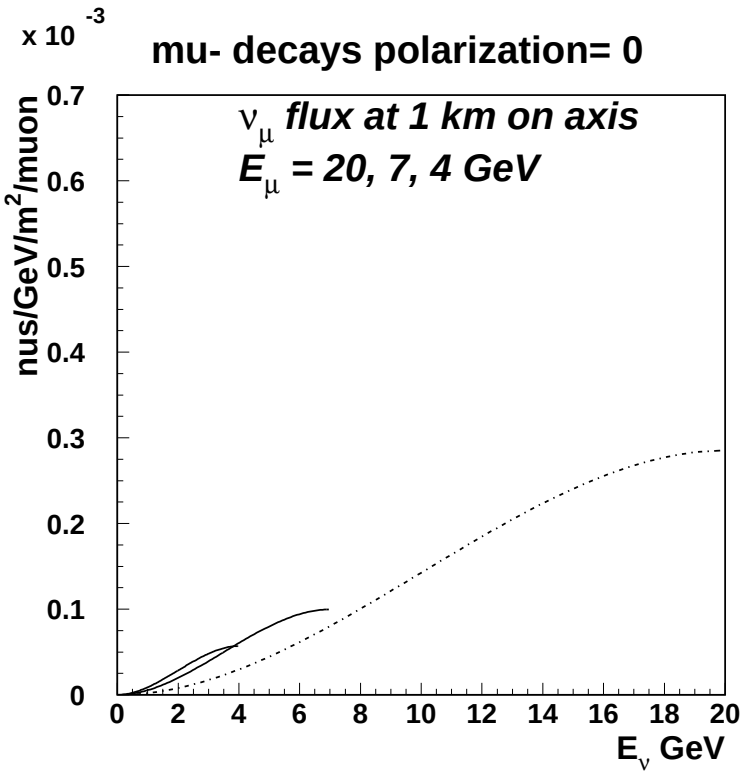
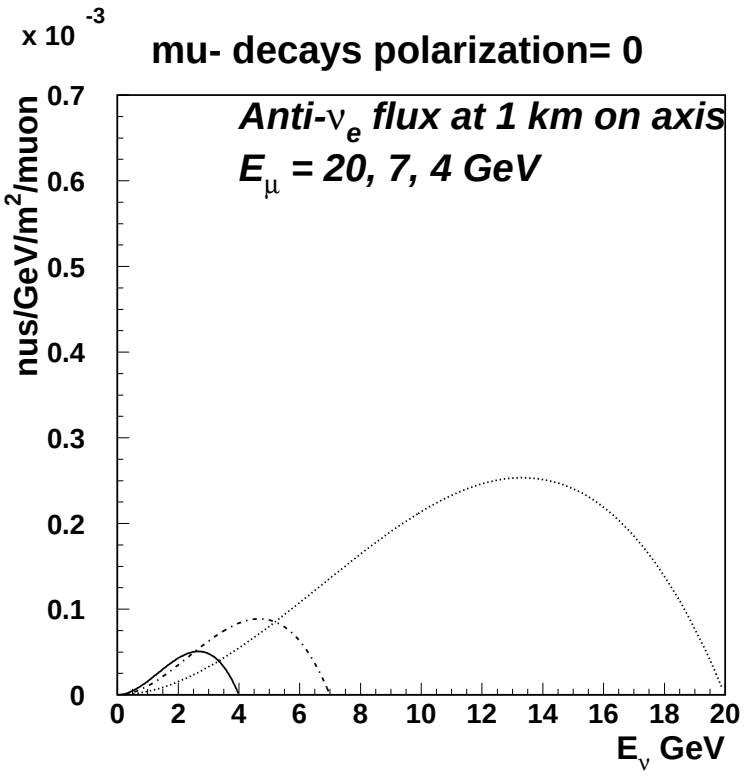
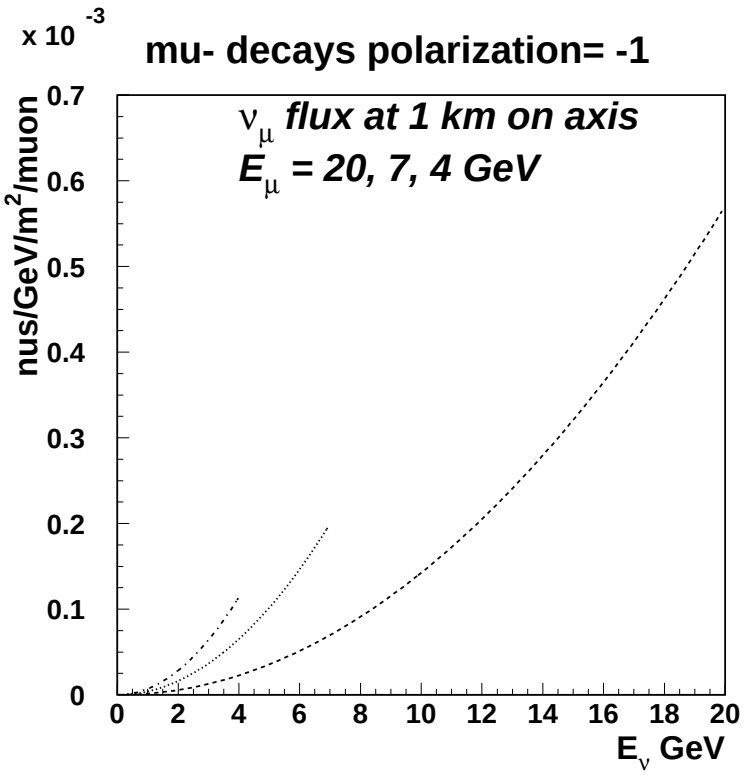
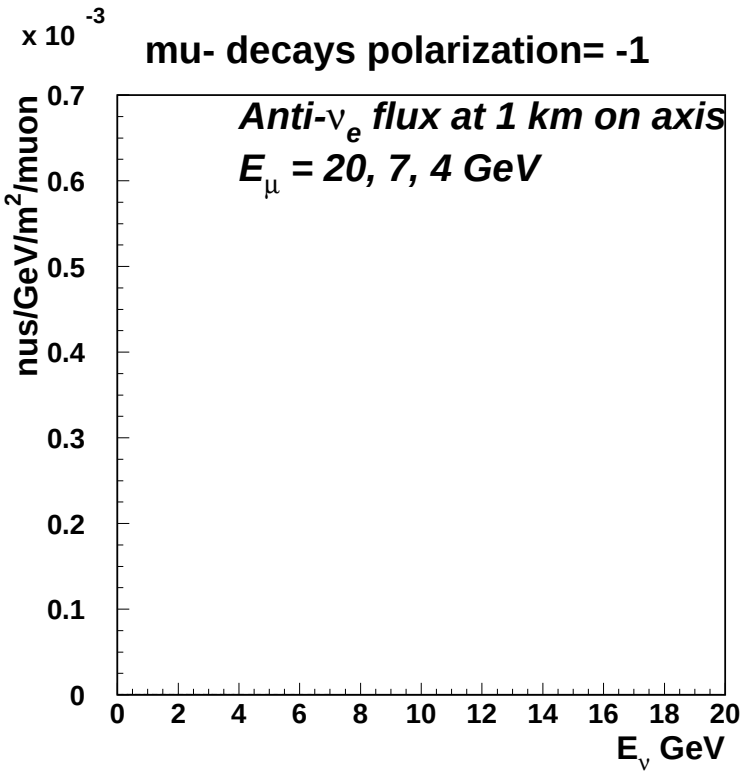

mu- decays polarization= 1
Anti-ν_e flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
x 10^{-3}
E_ν GeV

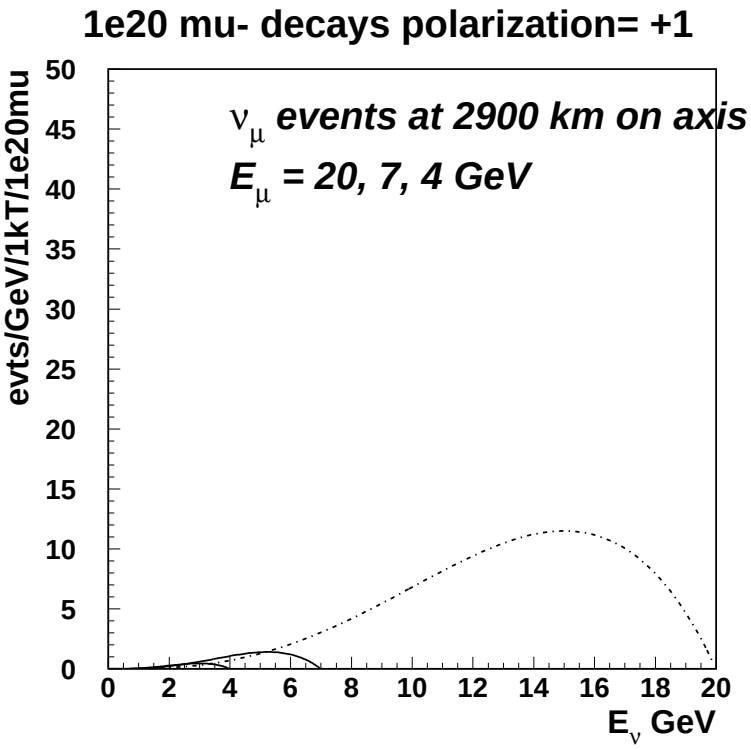

mu- decays polarization= +1
ν_μ flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
x 10^{-3}
E_ν GeV

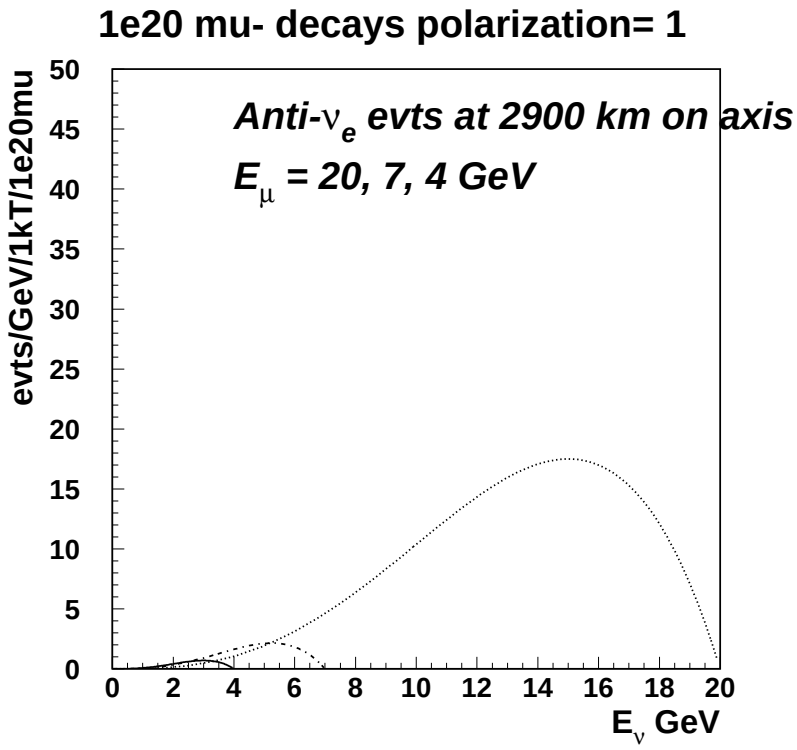

x 10 -3
mu- decays polarization= 0
ν_μ flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 2 4 6 8 10 12 14 16 18 20
E_ν GeV

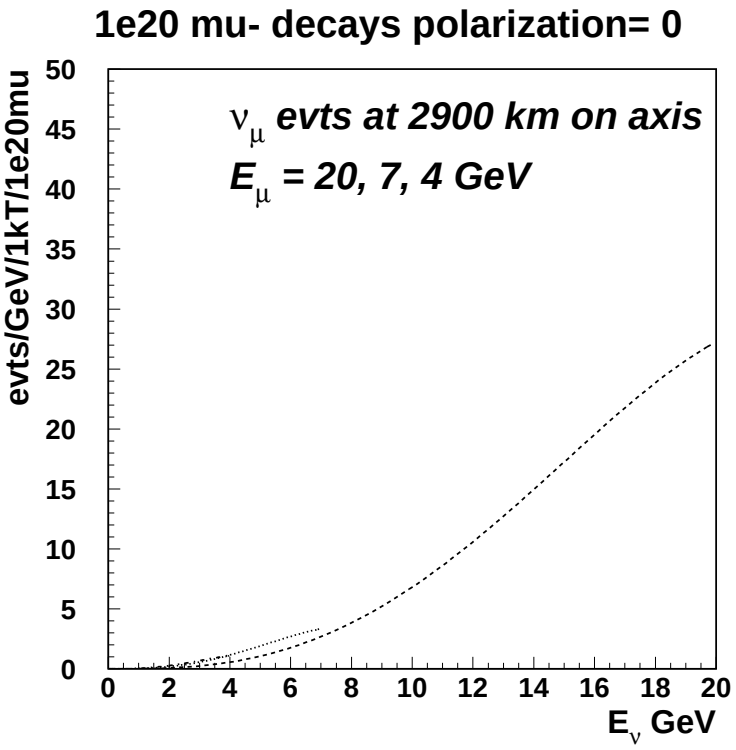

x 10 -3
mu- decays polarization= 0
Anti-ν_e flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 2 4 6 8 10 12 14 16 18 20
E_ν GeV

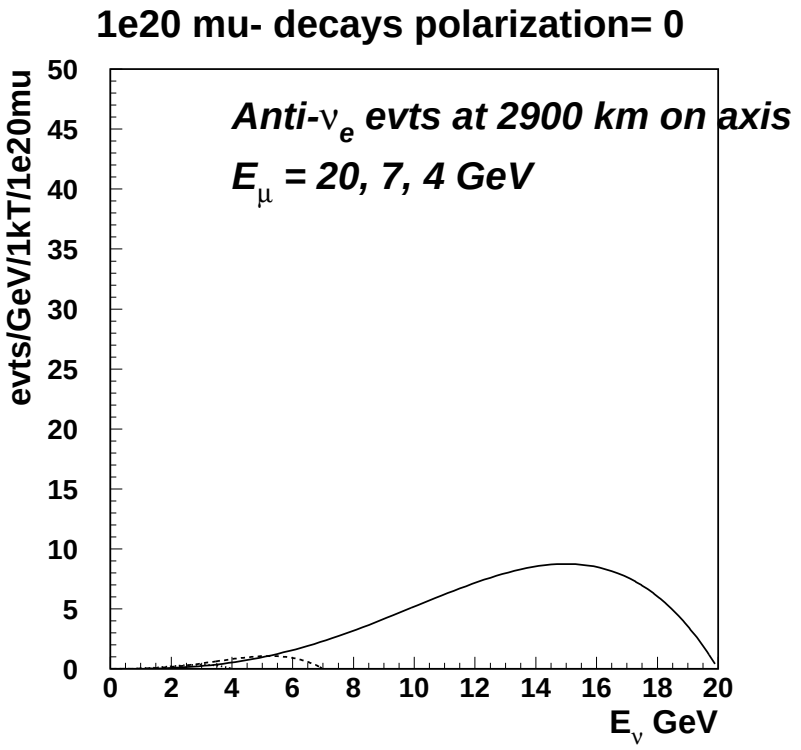

x 10 -3
mu- decays polarization= -1
ν_μ flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 2 4 6 8 10 12 14 16 18 20
E_ν GeV

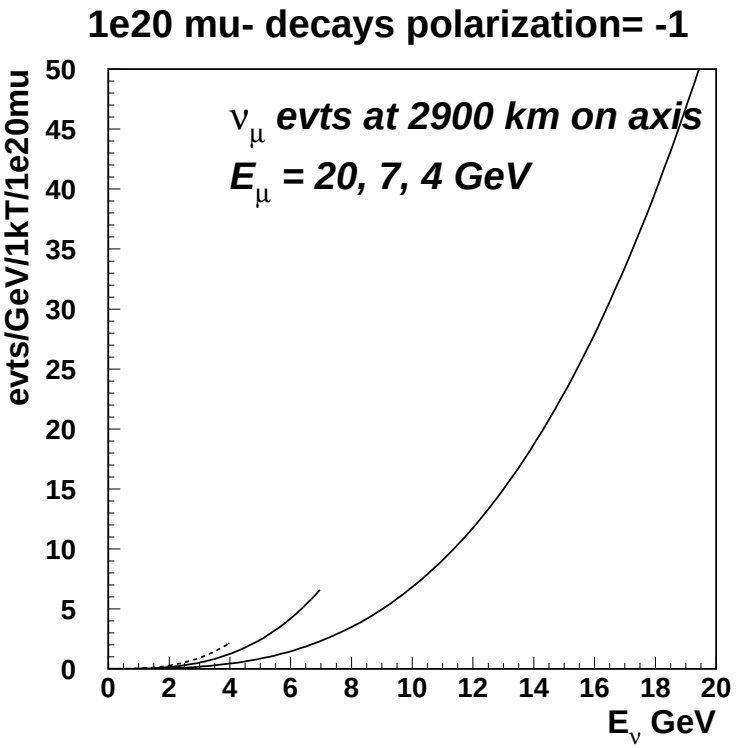

x 10 -3
mu- decays polarization= -1
Anti-ν_e flux at 1 km on axis
E_μ = 20, 7, 4 GeV
nus/GeV/m^2/muon
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 2 4 6 8 10 12 14 16 18 20
E_ν GeV

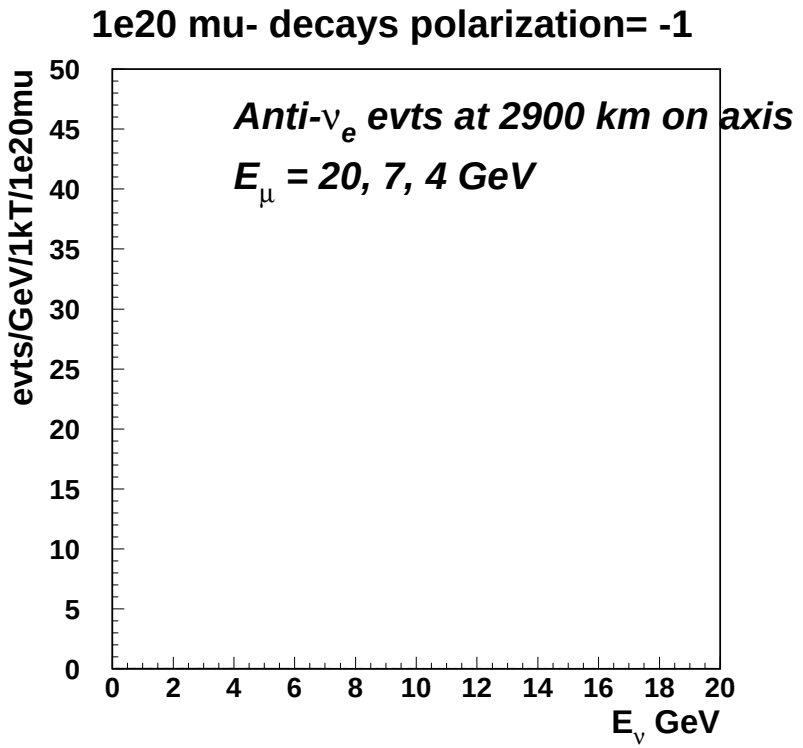

1e20 mu- decays polarization= +1
ν_μ events at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV

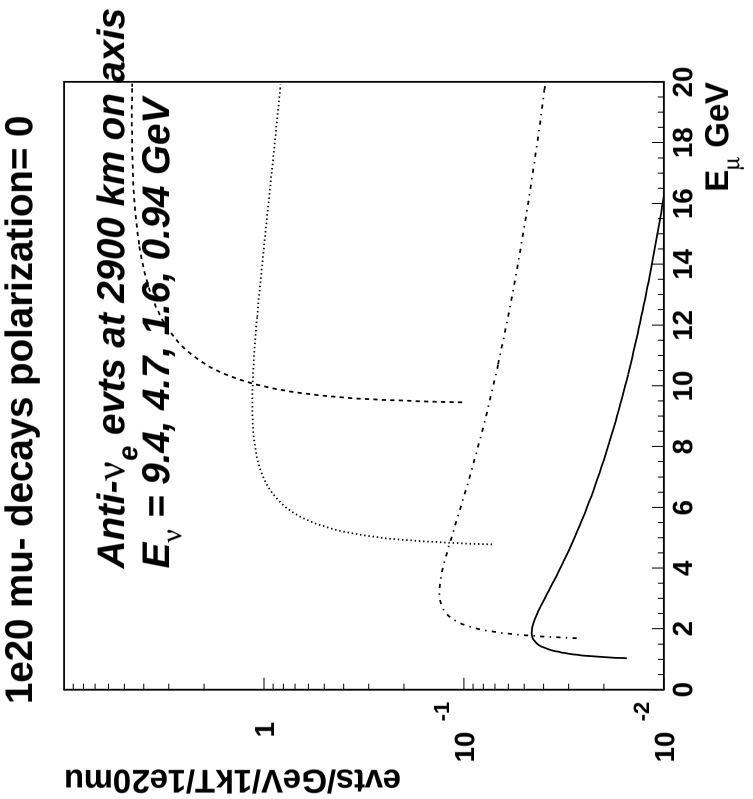

1e20 mu- decays polarization= 1
Anti-ν_e evts at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV

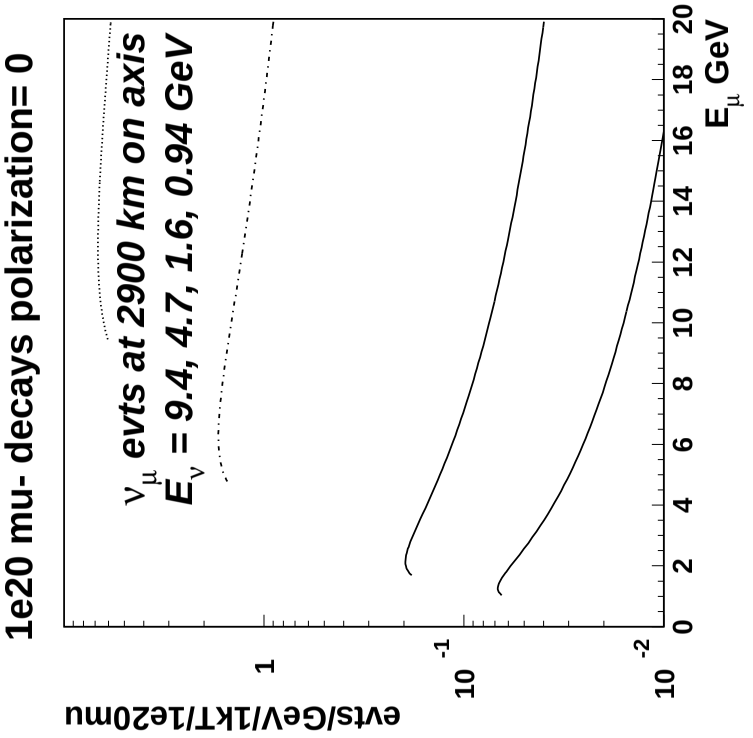

1e20 mu- decays polarization= 0
ν_μ evts at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV


1e20 mu- decays polarization= 0
Anti-ν_e evts at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV


1e20 mu- decays polarization= -1
ν_μ evts at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV


1e20 mu- decays polarization= -1
Anti-ν_e evts at 2900 km on axis
E_μ = 20, 7, 4 GeV
evts/GeV/1kT/1e20mu
E_ν GeV


1e20 mu- decays polarization= 0
Anti-ν_e evts at 2900 km on axis
E_ν = 9.4, 4.7, 1.6, 0.94 GeV
evts/GeV/1kT/1e20mu
E_μ GeV


1e20 mu- decays polarization= 0
ν_μ evts at 2900 km on axis
E_ν = 9.4, 4.7, 1.6, 0.94 GeV
evts/GeV/1kT/1e20mu
E_μ GeV

Comparison of BNL wide band and neutrino factory flux

