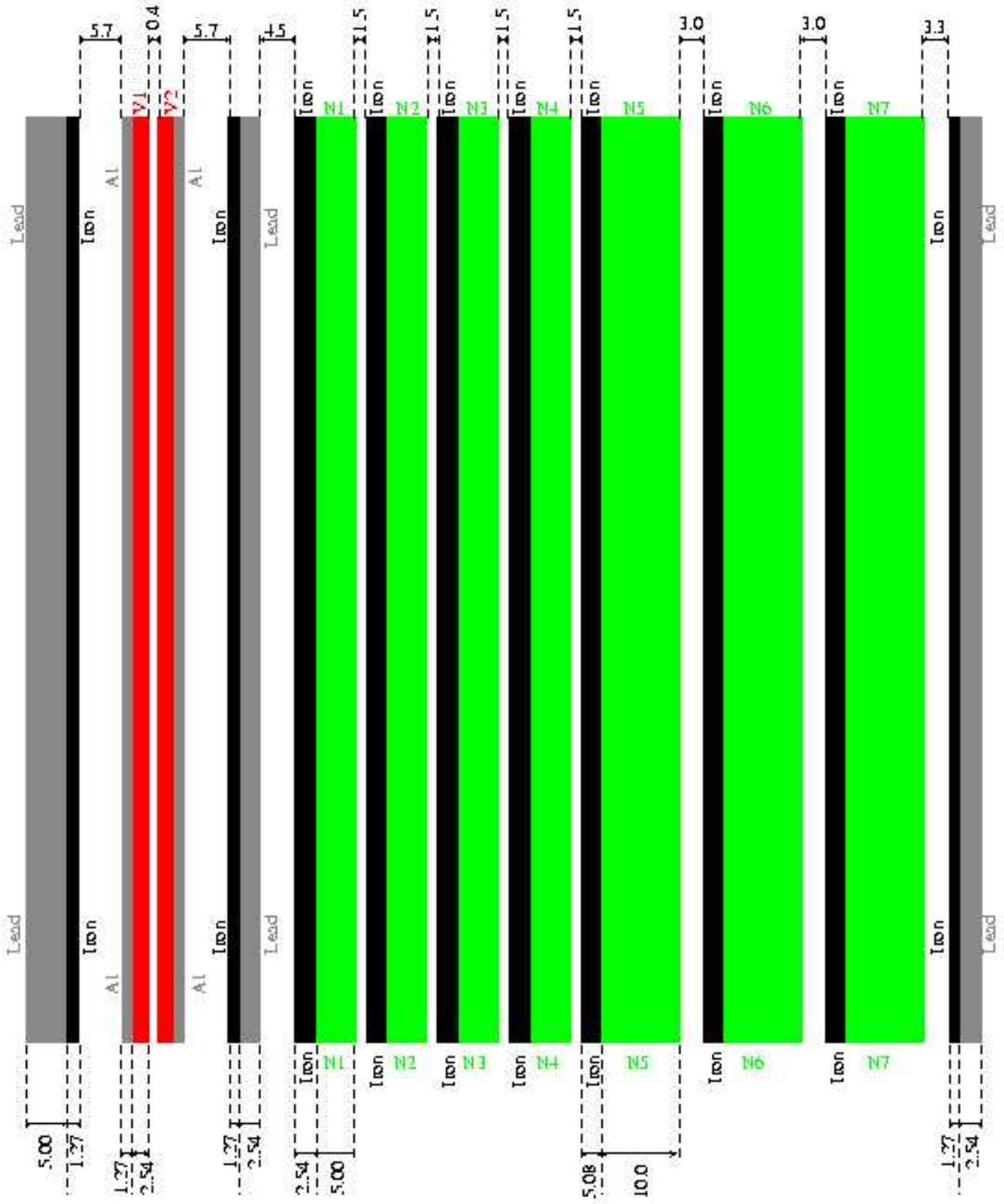


Figure 1: **Neutron detector geometry used in Geant 4, all sizes in cm**

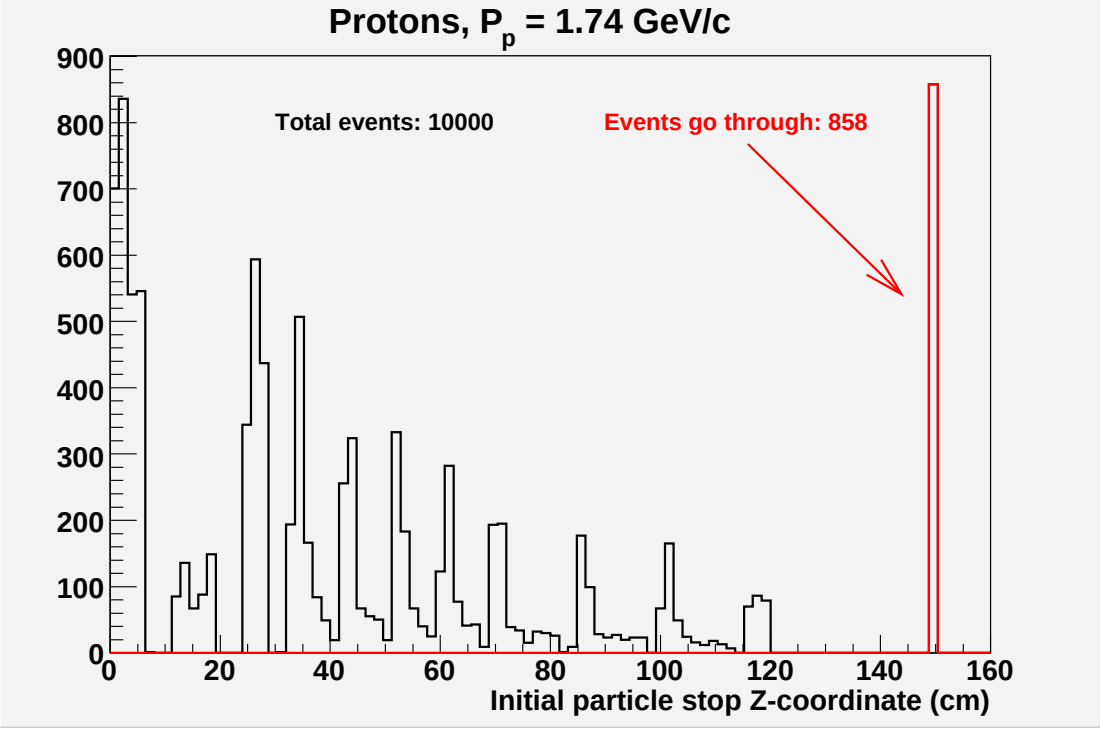


Figure 2: **Protons with initial momentum 1.74 GeV/c**

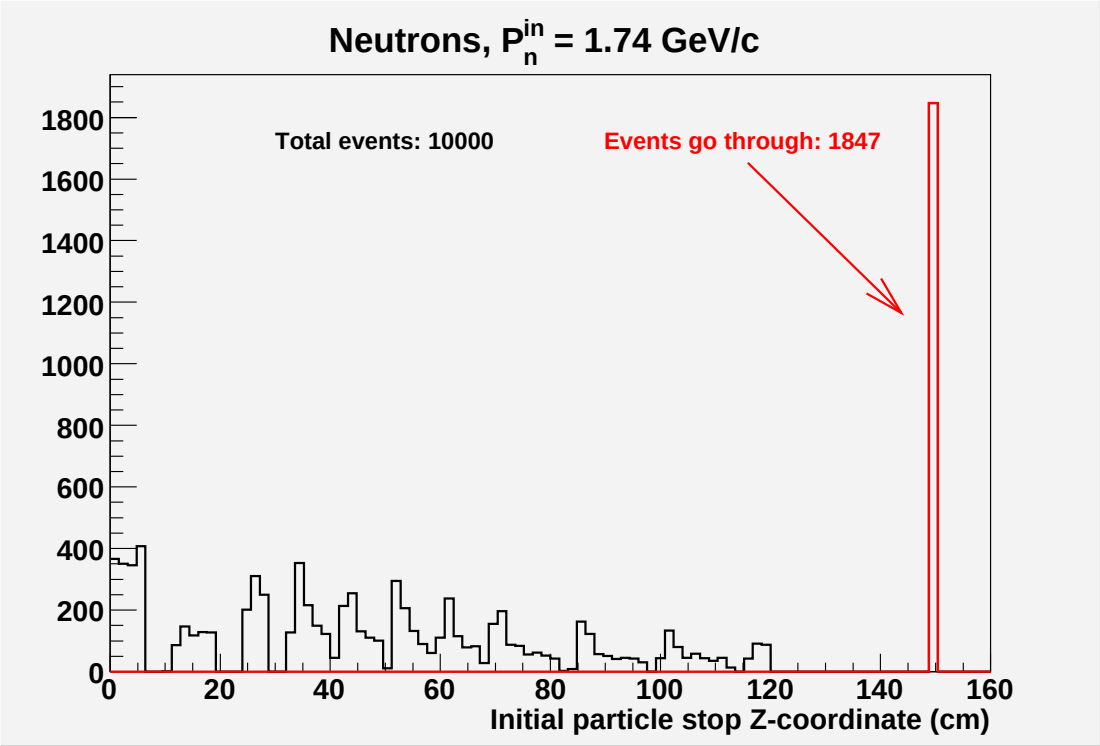


Figure 3: **Neutrons with initial momentum 1.74 GeV/c**

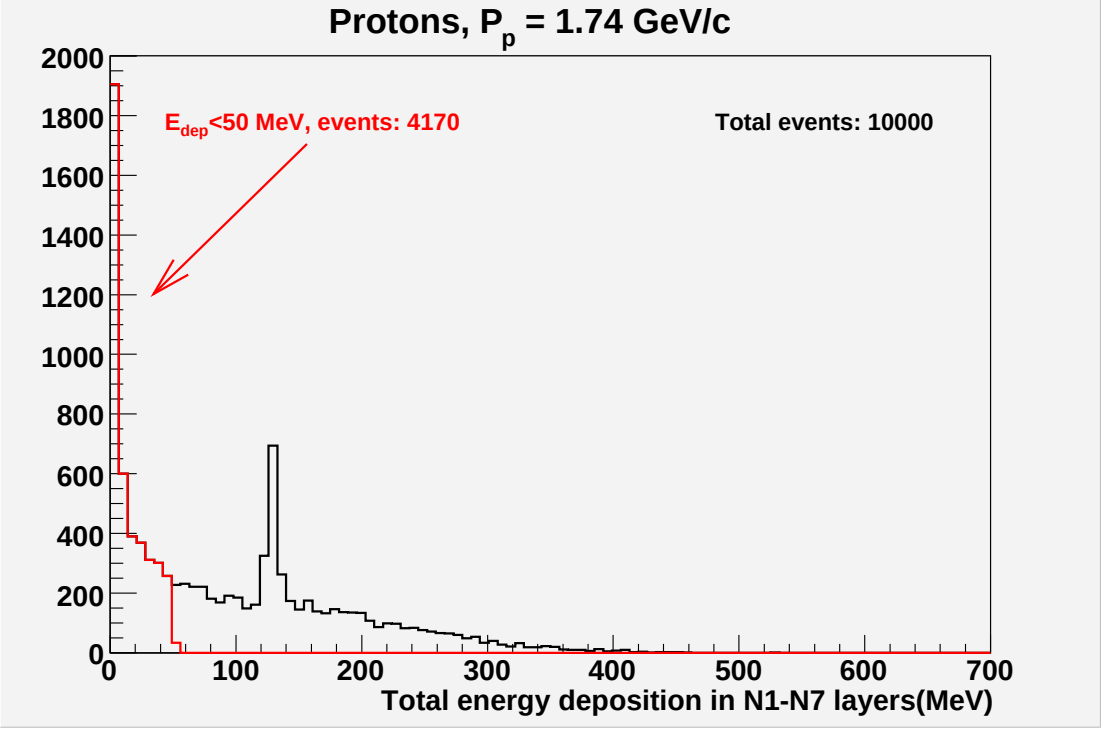


Figure 4: **Protons with initial momentum 1.74 GeV/c**

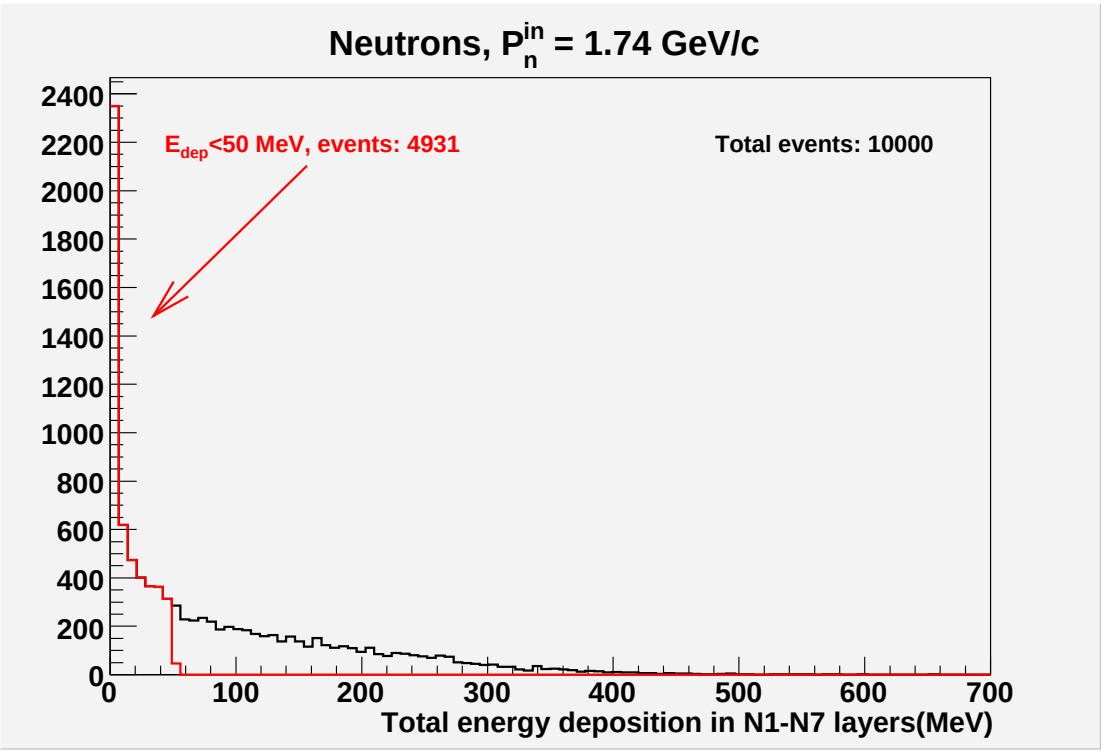


Figure 5: **Neutrons with initial momentum 1.74 GeV/c**

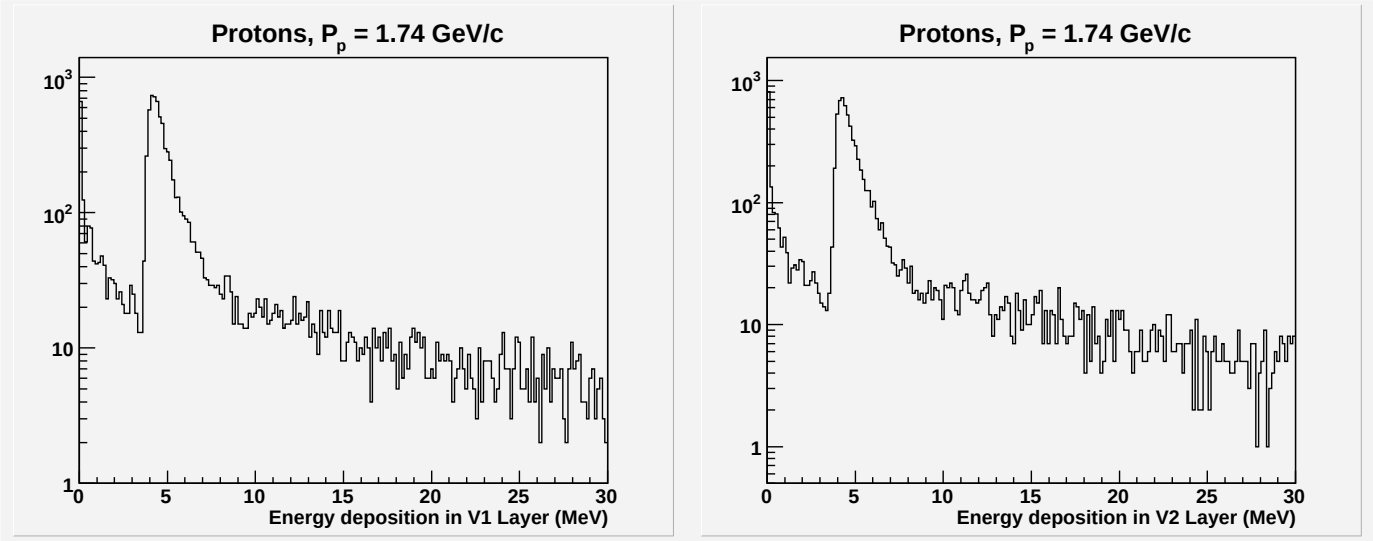


Figure 6: **Protons with initial momentum 1.74 GeV/c**

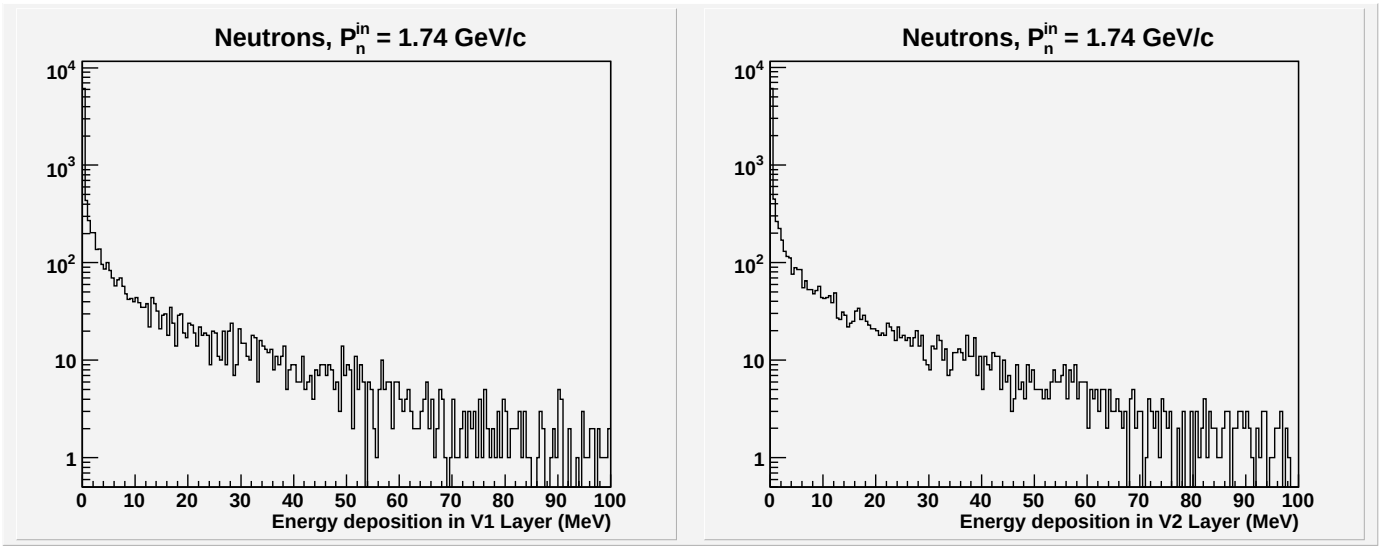


Figure 7: **Neutrons with initial momentum 1.74 GeV/c**

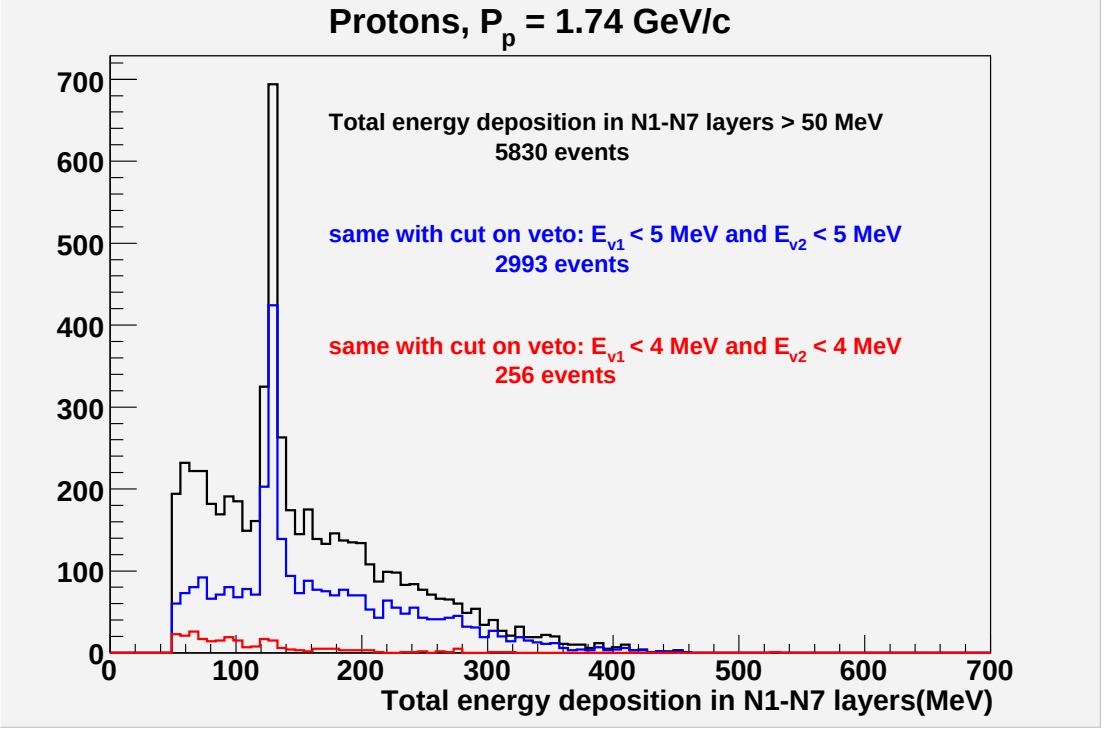


Figure 8: **Protons with initial momentum 1.74 GeV/c**

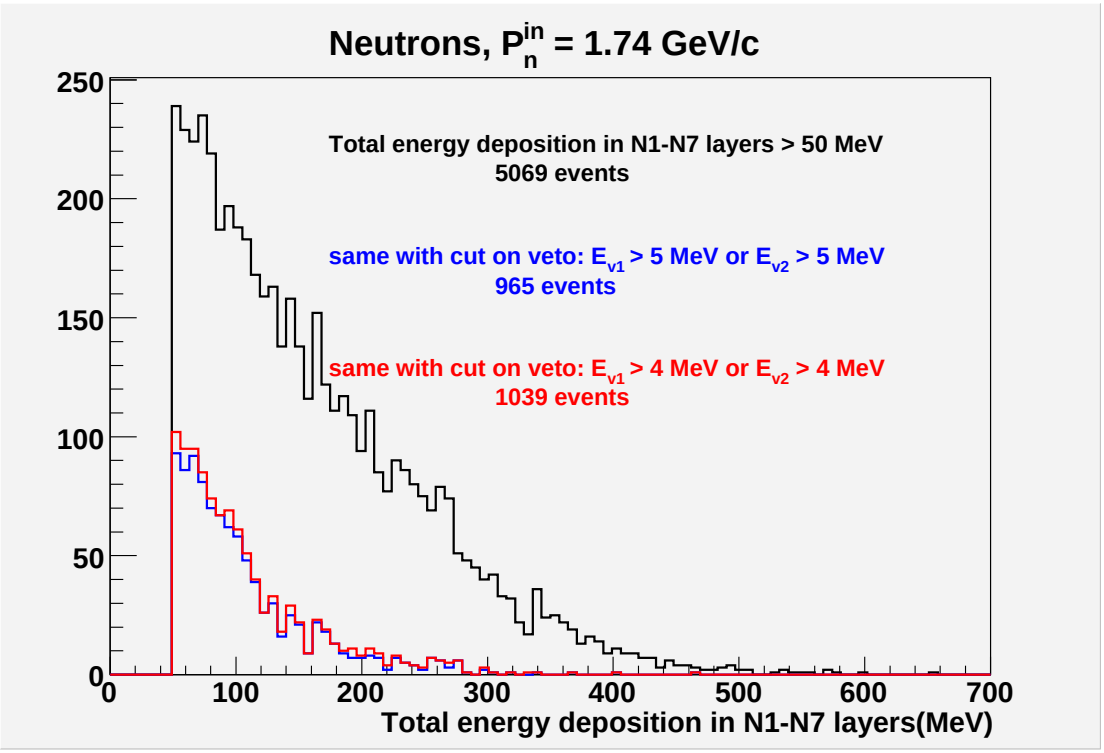


Figure 9: **Neutrons with initial momentum 1.74 GeV/c**

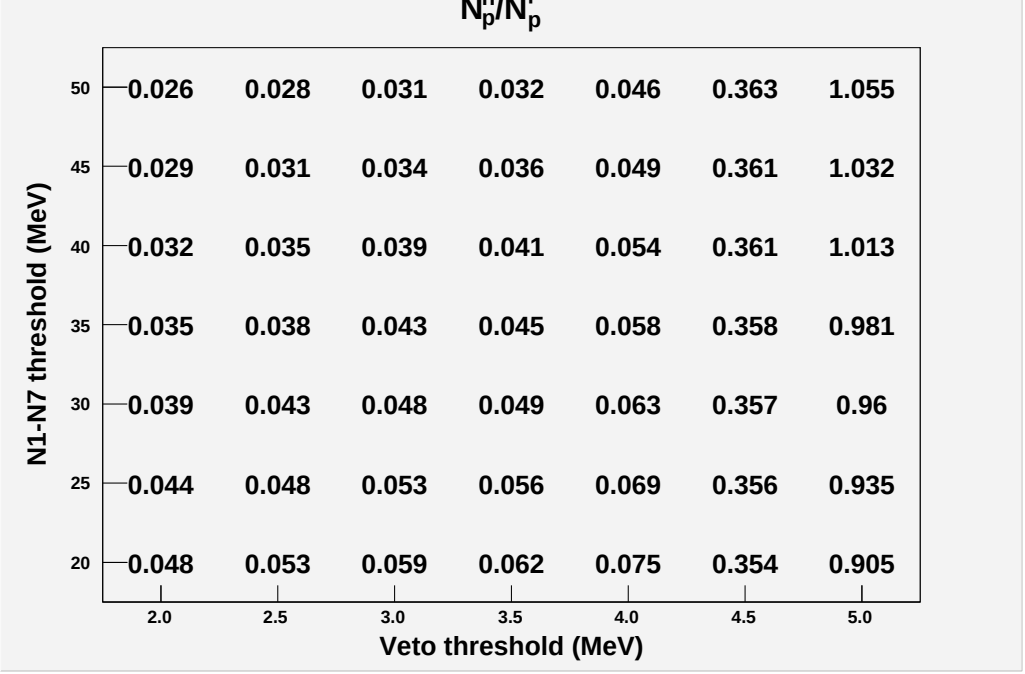


Figure 10: $N_p^p$ **- number of protons observed as protons,** $N_p^n$ **- number of protons observed as neutrons**

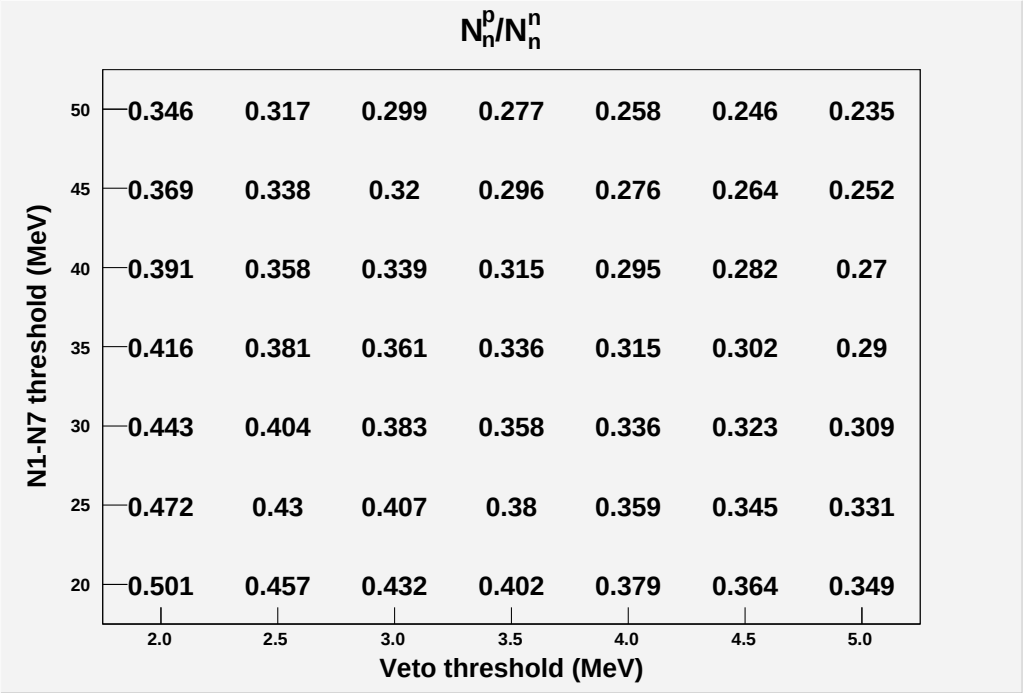


Figure 11: $N_n^p$ **- number of neutrons observed as protons,** $N_n^n$ **- number of neutrons observed as neutrons**

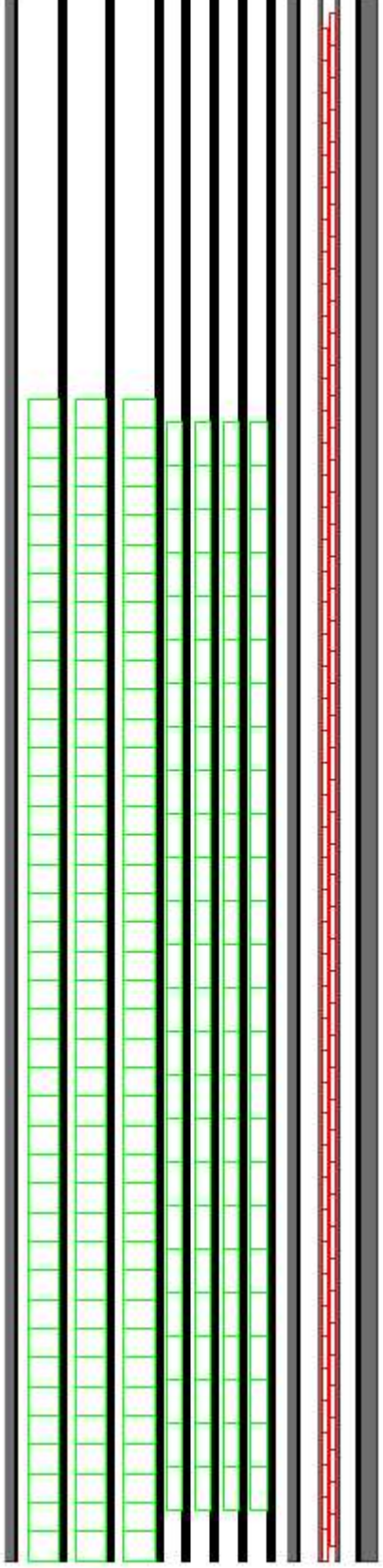

Figure 12: **New neutron detector geometry for Geant 4**