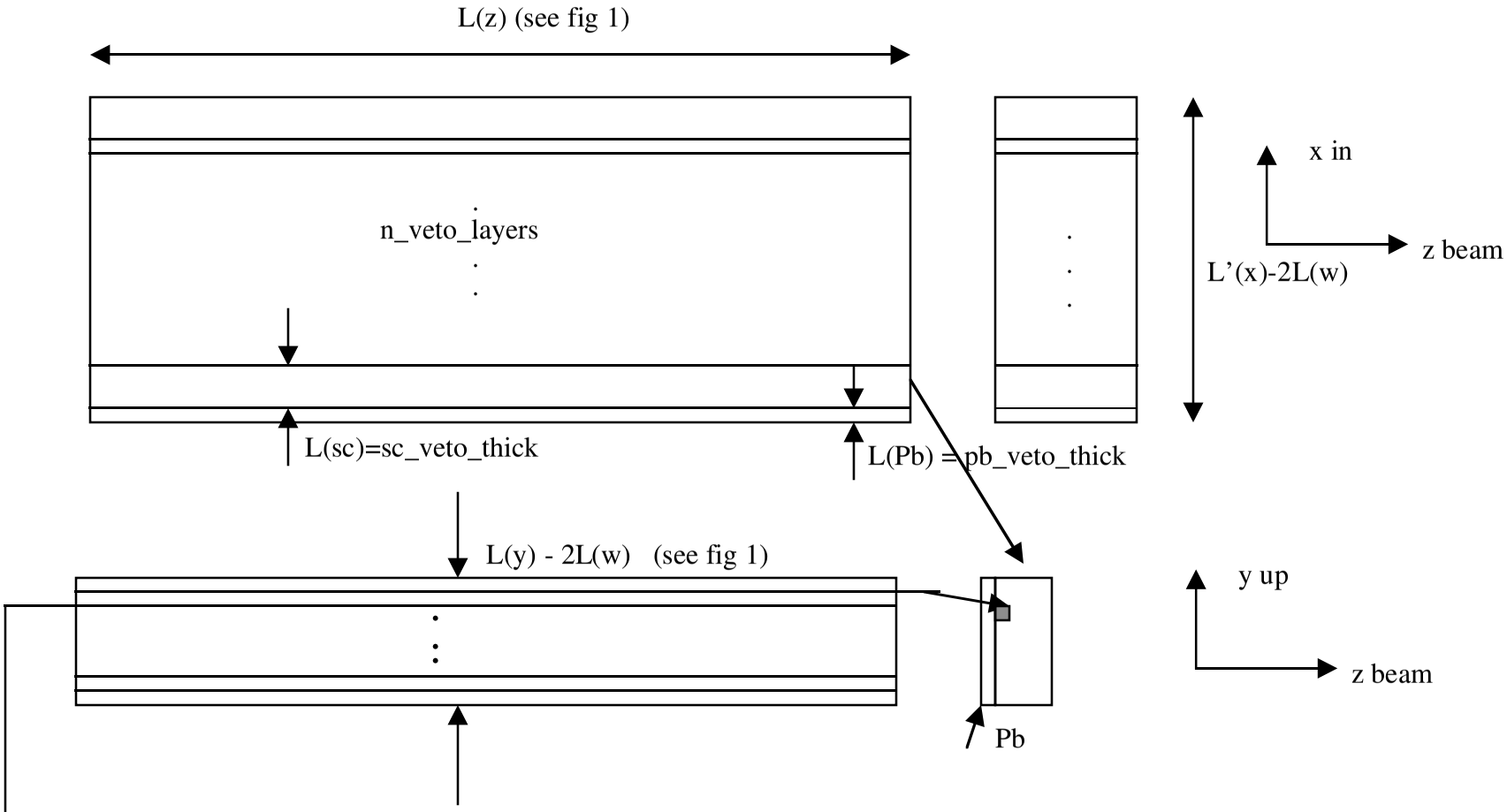
Standard Side Veto Sub Module

L'(x)- 2L(w) = n_veto_layers x (L(sc) + L(Pb) = 11 x (0.1 + 0.7) cm)

In all vetos there is a provision for particles seeing Pb or scintillator first. If the latter, sub modules are numbered n_veto_submods,…,2,1 as you move away from the decay region center, if the former 1,2,…,n_veto_submods.



n_fibers of fiber_radius = 0.5 mm radius regularly spaced on each scintillator face closest to Pb. The fiber sits in a groove with a square cross section of side 2fiber_radius + 0.02 mm. Spacing between fibers is (L(y)-2L(w))/[n_fibers+1]. n_fibers = 14.