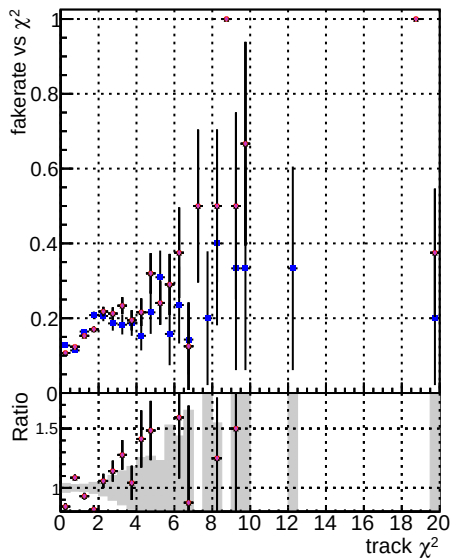
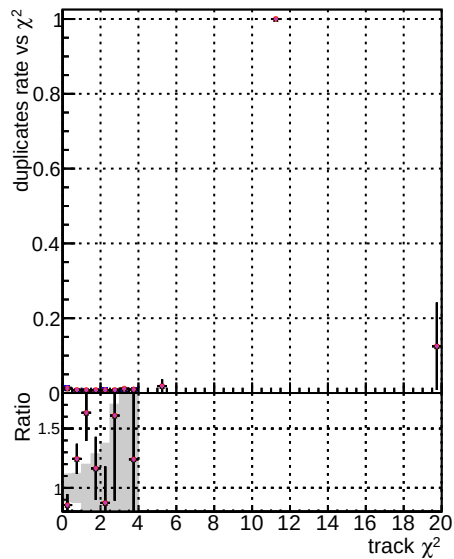


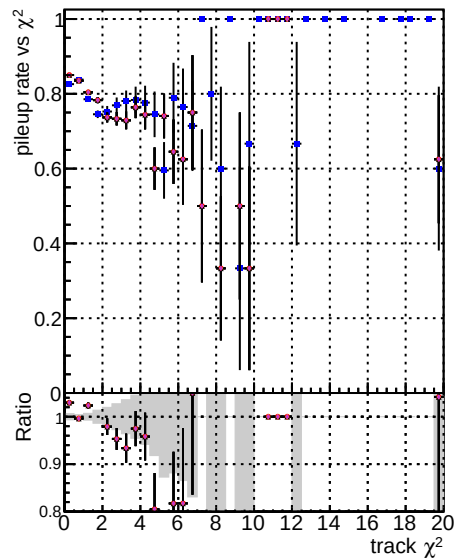
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. DOM GKE TTbar DOM+mkFit TTbar+mkFit BU-updated DNN-2

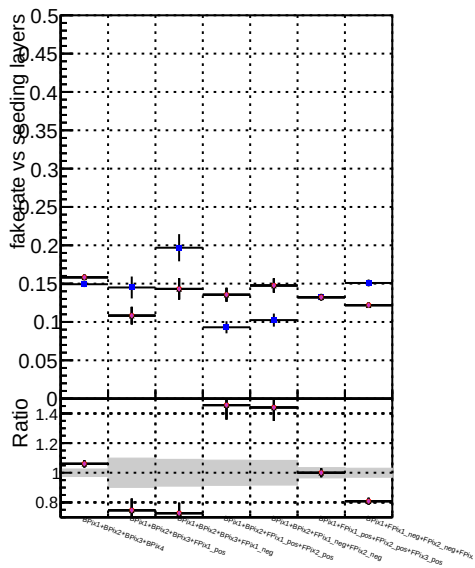
[illegible]

Figure 1 consists of two subplots. The top subplot, titled 'pileup rate vs seeding layers', shows the pileup rate for various configurations. The y-axis ranges from 0.6 to 1.0. The x-axis labels are: BPu1+BPu2+BPu3+BPu4, BPu1+BPu2+BPu3+BPu4_pos, BPu1+BPu2+BPu3+BPu4_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg. The bottom subplot, titled 'Ratio', shows the ratio of the proposed algorithm to the baseline. The y-axis ranges from 0.95 to 1.0. The x-axis labels are: BPu1+BPu2+BPu3+BPu4, BPu1+BPu2+BPu3+BPu4_pos, BPu1+BPu2+BPu3+BPu4_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg, BPu1+BPu2+BPu3+BPu4_pos+BPu2_neg. Both plots include error bars and shaded regions.