Older Data set

A graph of a bar graph

Description automatically generated

All Cluster size Distributions

A graph with a bar graph

Description automatically generated with medium confidence

A graph of a cluster of data

Description automatically generated

Successful Reconstruction Cluster Size Distributions

A graph of a cluster of data

Description automatically generated

A graph of data with blue bars

Description automatically generated with medium confidence

For each comparison

A graph with numbers and letters

Description automatically generated

A graph with blue squares

Description automatically generated

A graph of a number of blue squares

Description automatically generated with medium confidence

A graph of a number of blue squares

Description automatically generated with medium confidence

A graph of a number of numbers

Description automatically generated with medium confidence\

A graph of a graph

Description automatically generated

A graph of a bar graph

Description automatically generated with medium confidence

A graph of a number of angles

Description automatically generated

28454

[27212, 27562, 27752, 27807, 27647, 27077]

A graph of a graph

Description automatically generated

When reversed, something weird just happened, wtf

A graph with a line

Description automatically generated

Dear Michael,

I realized there is a major failure condition of the algorithm that caused a trigger of 4 to not work in the current pro\_anubis setup.

When you are enforcing the rays to go from bottom up, your beam can sometimes hit the Triplet and the singlet, while misses the doublet layer. This will be triggered by the current setup as RPC 0,1, 2, 3. This caused the reconstruction algorithm to break when trying to calculate the efficiency of RPC 3, since fitting with RPC0, 1, 2 are meaningless and result in a tolerance in the order of 100 cm.

This means we must enforce cross entire chamber condition when doing bottom up reconstructions to avoid low efficiencies in RPC3.

Best wishes,

Peter Wan

A graph of a graph

Description automatically generated

A graph of a number of data

Description automatically generated with medium confidence

A graph of a graph

Description automatically generatedA graph of a graph showing a number of data

Description automatically generated with medium confidence

A graph of a graph

Description automatically generated

A graph of a graph

Description automatically generated

A graph of a graph

Description automatically generated

A graph of a graph showing different colored lines

Description automatically generated