

# PLR Working!

After some details

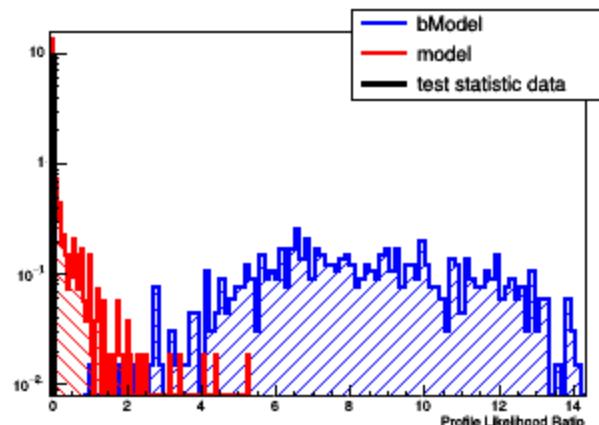
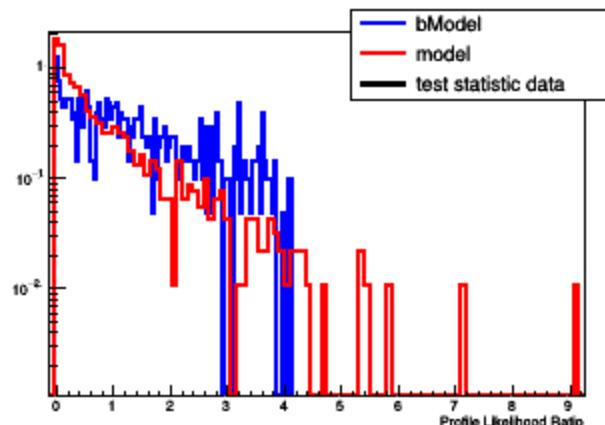
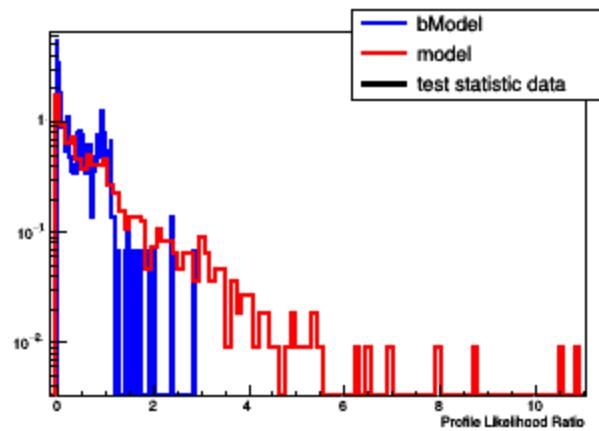
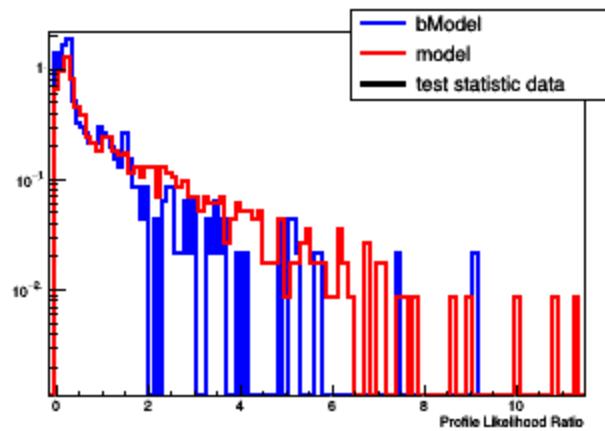
# Try Operator 1 Isoscalar

# Result!

Red is null hypothesis (WIMP exists with given POI)

Blue is alternative hypothesis (WIMPs do not exist)

Black is the test statistic obtained from our run.

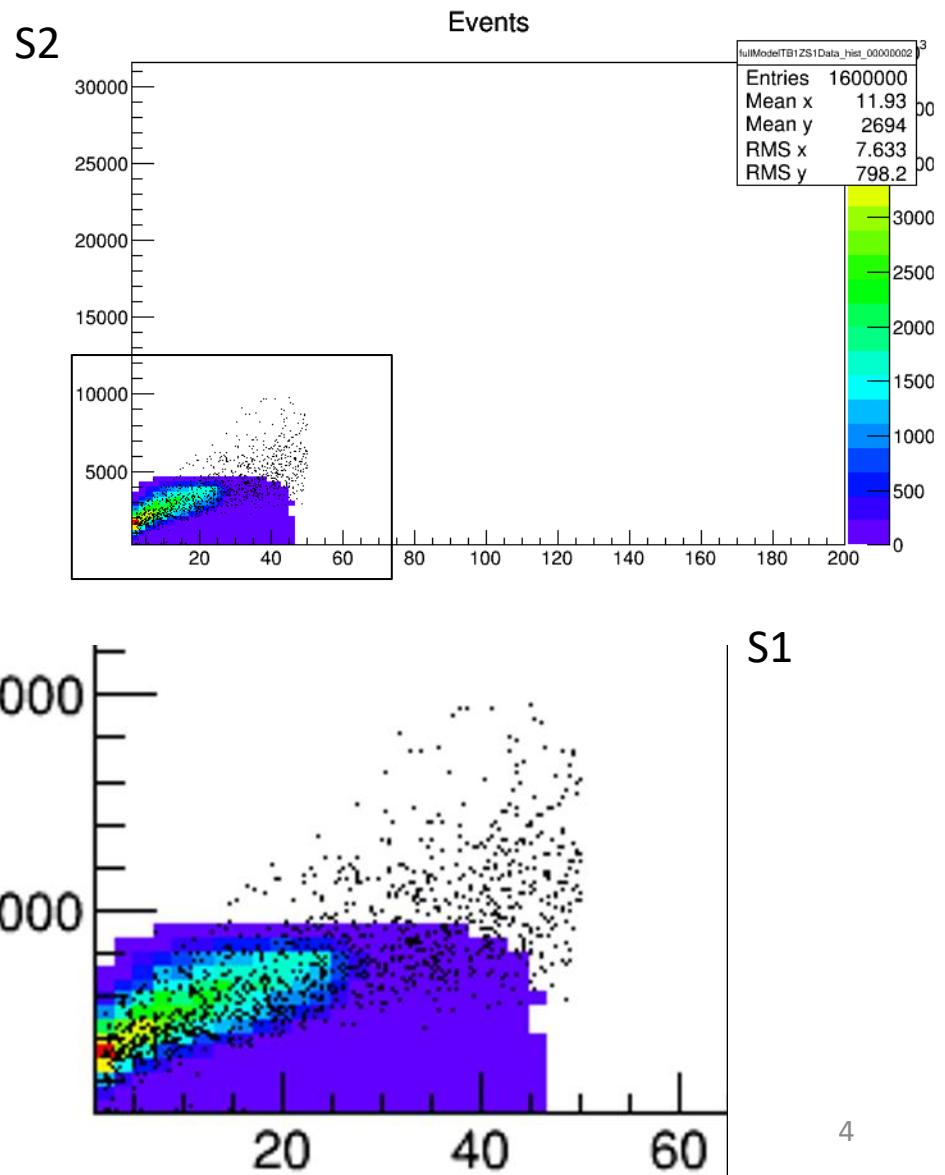
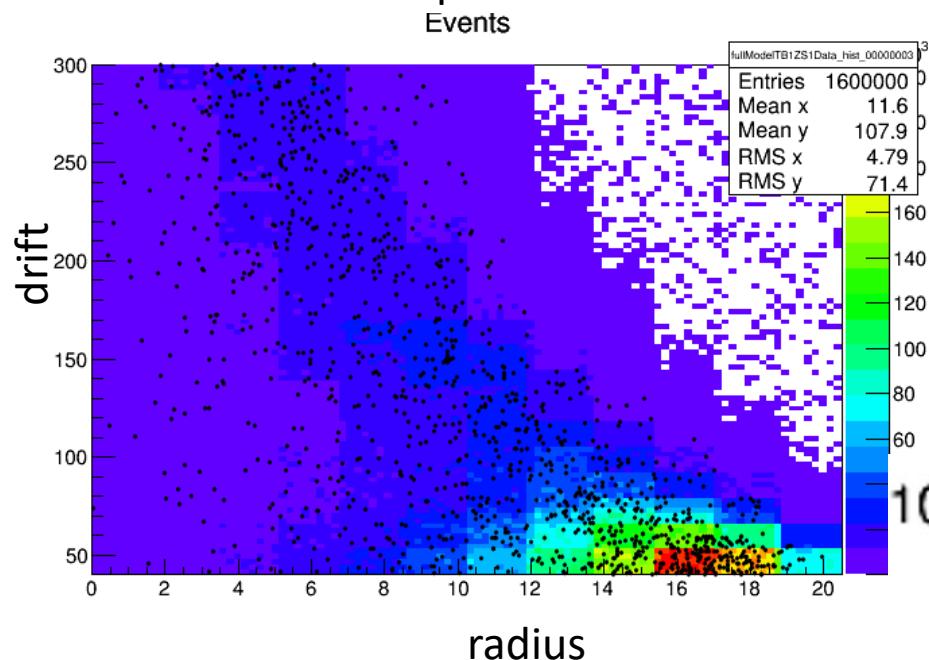


Something's wrong...

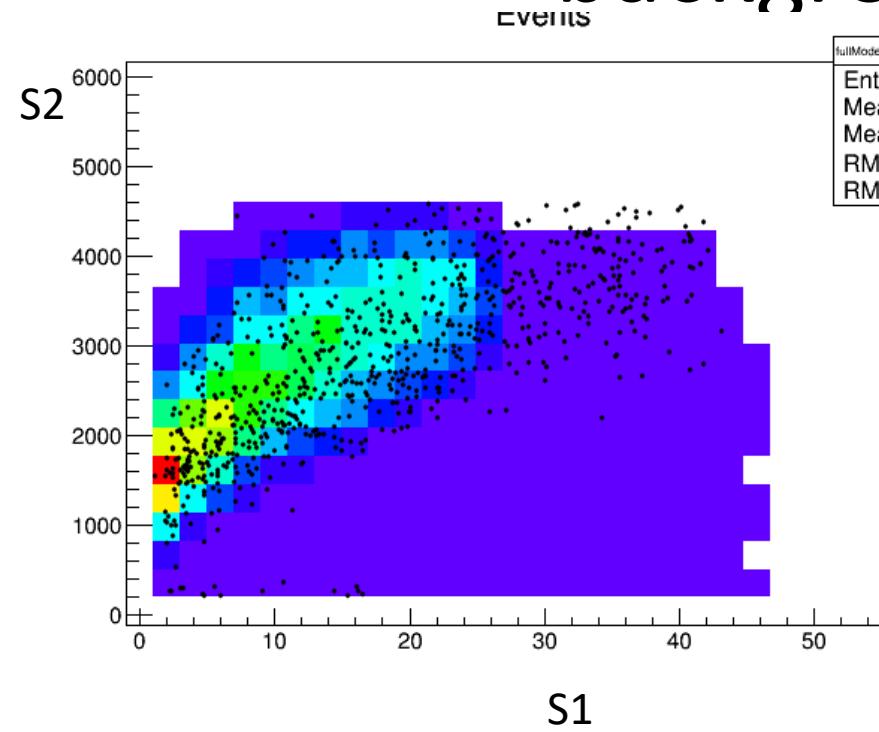
Data-model  
likelihood always 0!

# Model vs Data

Histogram is model,  
Black points are data

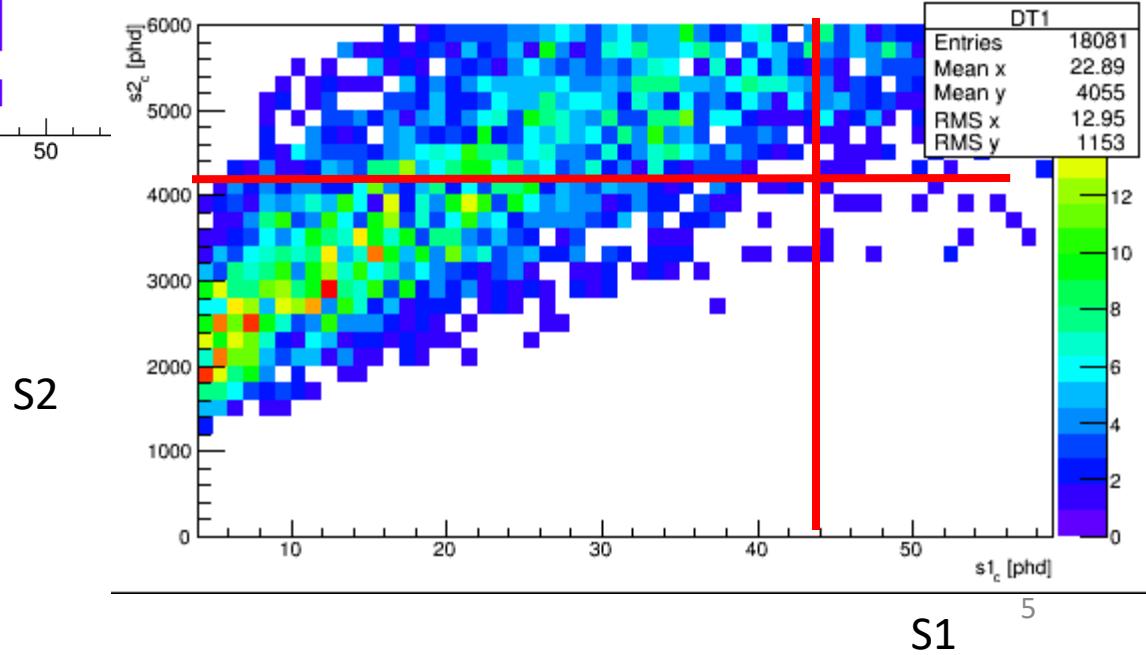


# Cut data to same thresholds as background model



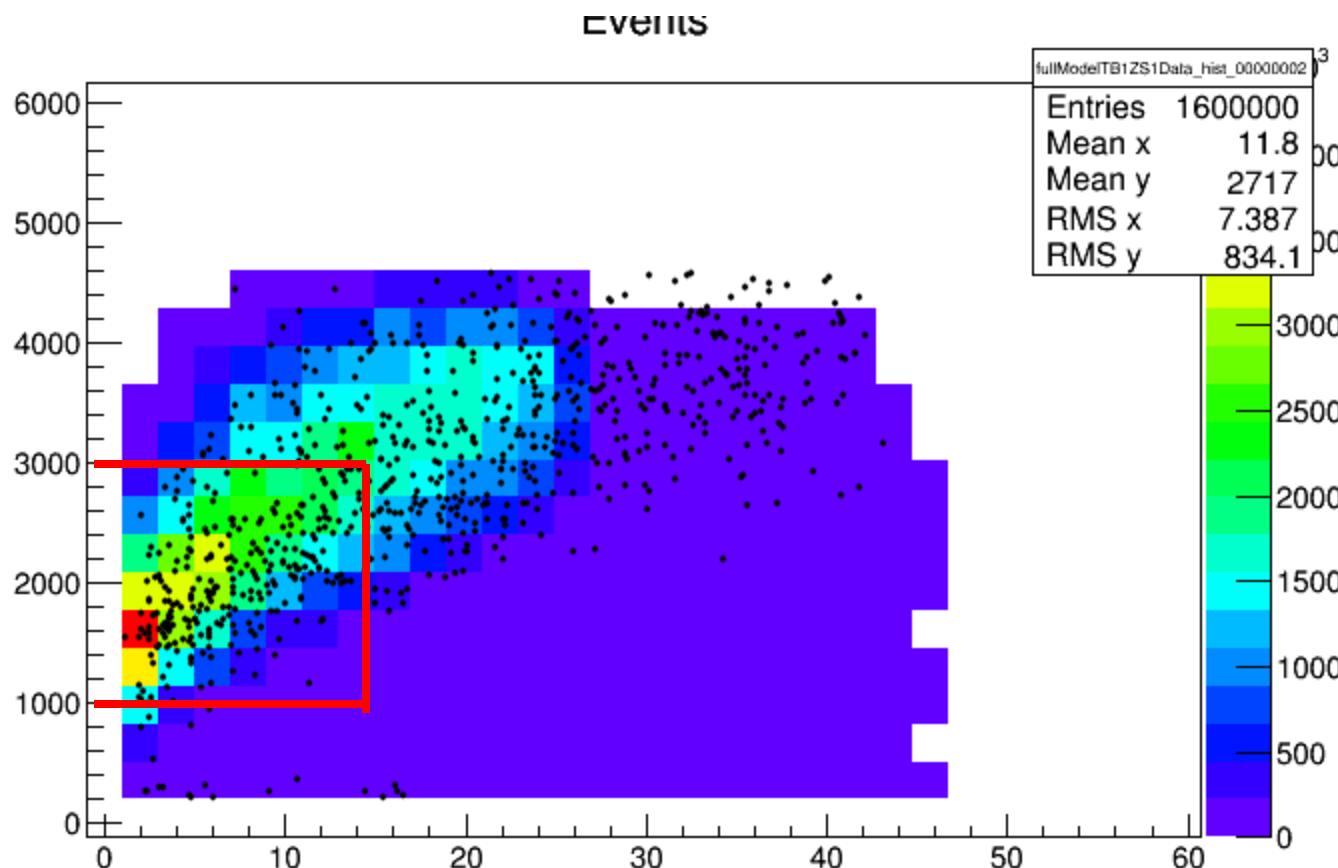
Stand-in dummy wall model  
is included, not real wall  
model

Most dominant component



5  
S1

# Cut data to only a small region compatible with the model



# Non-zero likelihoods!

