

Alaa Weekly Update August 11th

Last week's minutes:

- **Pass the qualifier exam**
- **Apply cuts and check acceptance**
- **Access the efficiencies tables, sample efficiencies, then apply them**

This week (basically yesterday):

Did not bomb the qualifier exam (or at least I hope so)

Checked acceptance tables/graphs

Applied cuts to evaluate acceptance

Next steps:

Double check applying cuts and check acceptance

Access the efficiencies tables, sample efficiencies, then apply them

Fresh results (I need to double check it)

m=400 GeV and lifetime = 0.1 nanosecond (log 0.1= -1)

Number of accepted events:7856

Acceptance= 7856/20,000 (# of events)= **0.3928**

