

b-ID:

Pass2 – JES 5.3 certification:

CSIP went the way of the dodo bird.

SLT (muon) tagger certified last week!

JLIP certified a while ago.

SVT tagger should be certified by next week.

NN is almost past group review.

p17: A good plan has been formed, and work is underway

NN will be the main tagger... no more certified SVT... (perhaps a preliminary certification of JLIP while waiting for the final NN tagger, for cross-checks, etc.)

Expect minor improvements to the algorithms, but a careful retuning for p17 data and MC.

Superior parameterization of taggability, TRFs, and scale factors... more variables, smarter fits or interpolations... reduced systematic errors.

bbH(->bb):

p14 Pass1 analysis (260/pb) - Published in PRL!

Sent to EB on Dec. 18, 2004

Approved by EB on Mar. 11, 2005

Approved by Collab. / sent to PRL on April 8, 2005

Accepted for publication by PRL on July 27, 2005

Published in PRL on Oct. 7, 2005

Working with Tim Scanlon on a Pass2 analysis (also 260/pb), but with his NN b-tagger.

Aim for winter conference note (and a thesis for him).

Stopped Gluinos:

Processed the full Pass2 DIFF skim data set. Studied a larger run of stopped gluino MC.

There's one nasty remaining background: deep-inelastically scattered muons (forming a jet), where the standard muon reconstruction fails to find the muon (in the muon chambers).

Looking in the event display, you can nearly always see evidence of the muon.

I think I need to write my own "muon veto" code, running off of low-level muon hits.