

Weekly Report

Maoqiang Jing

2018.07.13

Double Peak Pull Request

□ Get feedback from Simon and the pull request could be merged finally

 Simon Spannagel @simonspa commented a day ago

Owner 😊 ⋮

Hi @mjing


we (me and @tbilloud) have been looking at your changes and think it would be best to finish this and merge. We have a branch called `staging` where new features can be placed and tested for a while before going into `master`. We would merge your changes to there, make changes if necessary and then, before the next release, integrate them into `master`. Would that be fine for you?

If you are ready for this to be merged, I have two last requests:

- Please remove the `WIP:` from the title so it's clear you consider this branch ready
- Add your name and affiliation to the list of contributors, here: <https://gitlab.cern.ch/allpix-squared/allpix-squared/blob/master/README.md#L84> (contributors are listed in alphabetical order here).

Thanks a lot for the work!

 Maoqiang Jing @mjing unmarked as a **Work In Progress** about an hour ago

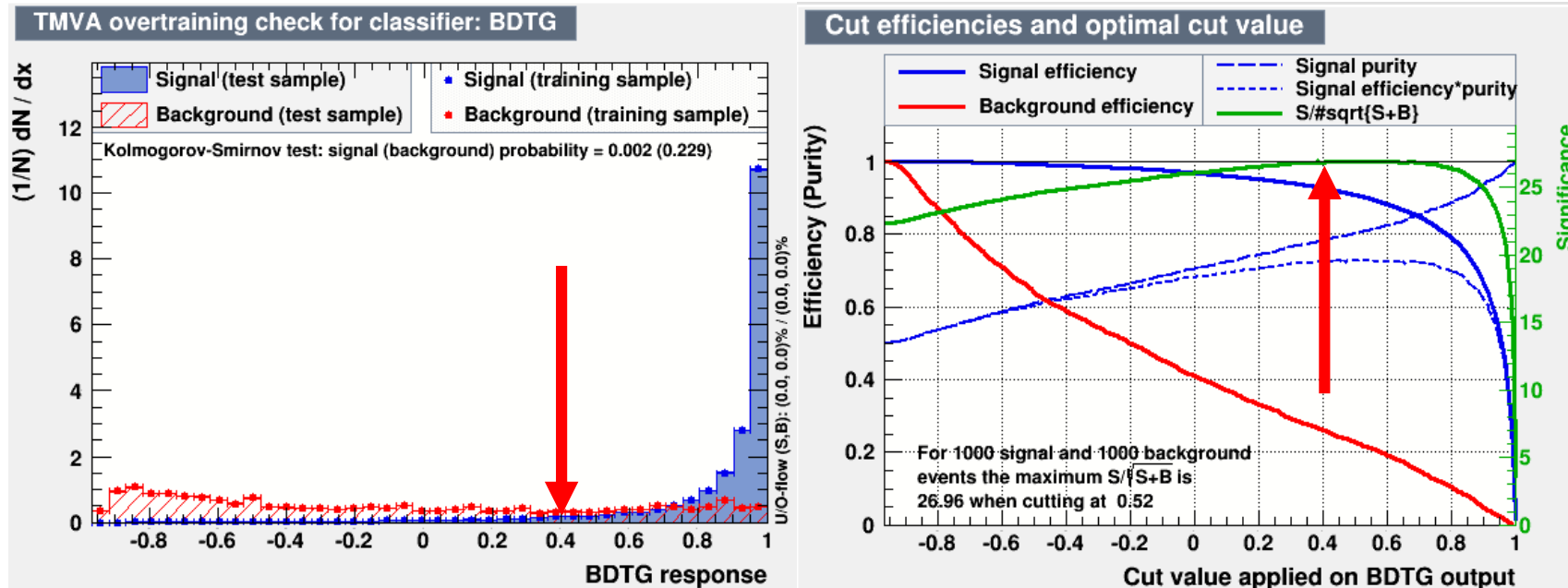
 Maoqiang Jing @mjing mentioned in merge request !151 56 minutes ago

```
▼ README.md Edit View file @ 2ae47546
...  ...  @@ -82,6 +82,9 @@ The following authors, in alphabetical order, have contributed to Allpix<sup>2</sup>
82  82    * Tobias Bisanz, Georg-August-Universität Göttingen, @tbisanz
83  83    * Neal Gauvin, Université de Genève, @ngauvin
84  84    * Moritz Kiehn, Université de Genève, @msmk
85  85    + * Liejian Chen, Institute of High Energy Physics, @chenlj
86  86    + * Maoqiang Jing, University of South China, Institute of High Energy Physics, @mjing
87  87    + * Xin Shi, Institute of High Energy Physics, @xshi
85  88    * Salman Maqbool, CERN Summer Student, @smaqbool
86  89    * Andreas Matthias Nürnberg, CERN, @urnberg
87  90    * Marko Petric, CERN, @mpetric
...  ...
```

Higgs \rightarrow Invisible Analysis

□ Run on 3 Tesla samples

- ✓ Correct previous weird distributions (by giving an initial value)
- ✓ Calculate cut flow, distributions between signal and background before every cuts
- ✓ Calculate B/S of every cut
- ✓ Successfully run BDT program and get a preliminary result(it seems our BDT cut can obviously suppress background)



$$B/S: 844763/150049=5.630$$

$$B/S: 62858/111088=0.566$$