

Hello,

Please find attached a new draft of the paper wherein we've tried to implement all your requests. The equation formatting looks ok, except that there are a number of cases of  $\tan$   $\beta$  when it should read  $\tan(\beta)$  (as it does elsewhere) and GeV is sometimes in the equation box and other times not. We each had a go at fixing those, but it seems neither of us have a version of word that's completely compatible with what you've got.

It looks like we're fine on the length of the protocol, so for now we've not highlighted anything.

A few replies where we thought it would be useful:

>>> 3) Several of your steps could use more detail to help viewers complete the protocol. When you use terms such as, "Generate" or "calculate" particularly, please answer the "how" question, i.e. is this step done through a computer program? What parameters are important?

Please have a peek at the document as it stands. If you like, we would be happy to add a note like: "In order to avoid obsolescence, this protocol only describes deviations from standard software settings. Complete documentation of the software described here can be found on the cited webpages."

I'm a bit worried that if we go into detail about the software we run the risk of the instructions being out of date quickly (already since writing the paper some of the software has undergone several major revisions including interface changes - but all the principles we describe hold, and nothing we've described at the moment is incorrect).

>>> 4) It appears that much of your protocol is computer work and complex calculations, could you please provide screen shots of any relevant computer programs to help our scriptwriters visualize each step of your protocol?

We're preparing these, but it will require a bit more time. I hope that we can proceed with any further draft modifications in parallel.

>>> 5) It may be helpful to write your protocol with a specific example in mind, i.e. could you pick a representative proton-proton collision event and complete all of the calculations with that event in mind? I apologize for my lack of familiarity in your field so I hope an example will be possible. If you do provide an example, you can then provide representative results using that example, i.e. show any relevant graphs or visualized metrics to help the viewer know what to expect from their results.

This is what we've tried to do, with a couple specific points that you see in Figures 5-7. I'd be happy to talk through the procedure a bit with you (by phone, by skype, by email, or how ever works best for you) to see if we can help you or any other members of the eventual editorial crew get a good handle on what we're doing - certainly I don't expect everyone to be intimately familiar with the details of high energy particle physics analyses.

Thanks,  
Zach and Chris