

**From:** Timothy Hallman <hallman@bnl.gov>  
**Subject:** **TOF Review, BNL and DOE**  
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Dear Geary, Huan, Ralph, and Dick,

This is an update on the approach to the DOE review of the STAR Barrel TOF project.

Although it is not yet officially official, it looks very much like the DOE review of the TOF project will be August 22-23.

There are several things that must happen quickly as a result.

First, we have a short period in which we can have input to the review in terms of suggestions for presenters/presentation topics and the members of the review panel.

The timescale for having input on this is very short (the beginning of next week). As I will be out of the country, I would like to ask if you, Dick, (with help from Zhangbu and Spiros if needed) would take the lead on gathering any suggestions we would like to make. Tom Ludlam has now been designated as the BNL Point of Contact for this project for the DOE. So, from now on, the path for any and all information regarding this project is STAR --> Tom Ludlam --> DOE. (No independent communications by STAR with Jehanne.) Within STAR this is under the umbrella of upgrades, which falls in your baileywick, Dick. I would like to be cc'd on communications on the project so I can keep up with what is going on. I would like to ask you and anyone you solicit to get any suggestions we have for the above to Tom Ludlam by next Monday. Clearly, the review needs to cover:

1) Management Plan (needs updating)

- 2) Resource loaded Cost and Schedule (sub category of 1 actually)
- 3) Technology choice, technical feasibility, technical readiness
- 4) Remaining open questions/risk factors (there better not be anything major if we want to begin construction in October)
- 5) Overview of the Chinese component of the construction project
- 6) Impact on other STAR systems/Detector
- 7) Science merit

It is not clear how much focus there should be on #7; in some ways this is already accepted. However, it would probably be good for the DOE panel for someone to give at least a brief discussion of this. Please caucus with the TOF folks and Ralph Brown and see what may have been left out above, and make some initial suggestion for speakers to Tom Ludlam. If you and/or the TOF folks have suggestions for members of the review panel, please pass those along as well.

The final comment is this review needs to come off like clockwork. This is not only the first "new era" STAR upgrade, but the first "new era" RHIC upgrade as well, and it will set a tone for the whole progression. So everything needs to come off very well. To that end, I would like to schedule an internal STAR God Parent Review sometime the week of July 11th. This should consist of distributing copies of any documentation intended to be sent to the DOE for the purpose of the review, and draft presentations along the lines above.

I will work with you to help set up the committee. The purpose will be to ferret out the problems well in advance of the final review, so that we can address them in time to get polished documentation to the DOE prior to August 22-23.

I apologize that some of this is on very short notice, but the timing for the final review has just recently solidified. Thanks in advance for your help, and feel free to ask for anything you need from me. Comments, complaints, suggestions, etc. are welcome by anyone on any aspect.

Regards,

Tim

