

## July Simulation Round Files

- SIMQ&A team processed simulation requests with Fun4All framework
- (Will also work on DD4HEP small parasitic sims soon)
- **Locations of files at:**
  - [https://docs.google.com/spreadsheets/d/1bLA2vD\\_0i0WO7niqDcIdtV4DOrjF3jxgQHSGLt0OmPQ/edit?usp=sharing](https://docs.google.com/spreadsheets/d/1bLA2vD_0i0WO7niqDcIdtV4DOrjF3jxgQHSGLt0OmPQ/edit?usp=sharing)
  - If you are on **JLab**, please find files using column “**Output Directory**”
  - If you are on **BNL**, please find files using column “**Output on xrootd**”.
  - Instructions on using xrootd are given on p14 of following link or in image below
  - <https://indico.bnl.gov/event/16018/contributions/66815/attachments/42718/71713/SimQA%20Convener%20Meeting%20Update%20August%202015.pdf>

### **Instructions on accessing data stored on JLab farm via xrootd**

From JLab:

**How to access the data?**

```
$ module load singularity/3.9.2
$ singularity shell -c -H "$HOME" -B /apps,/cvmfs,/group,/work/eic,/work/eic2,/work/eic3
/cvmfs/eic.opensciencegrid.org/singularity/rhic_s17_ext
$ export LANG=C
$ source /cvmfs/eic.opensciencegrid.org/eccc/gcc-8.3/opt/fun4all/core/bin/eccc_setup.sh -n
$ export LD_PRELOAD=/usr/lib64/libXrdPosixPreload.so
$ ls root://dtn-eic.jlab.org//work/eic2/EPIC
```

Alternatively:

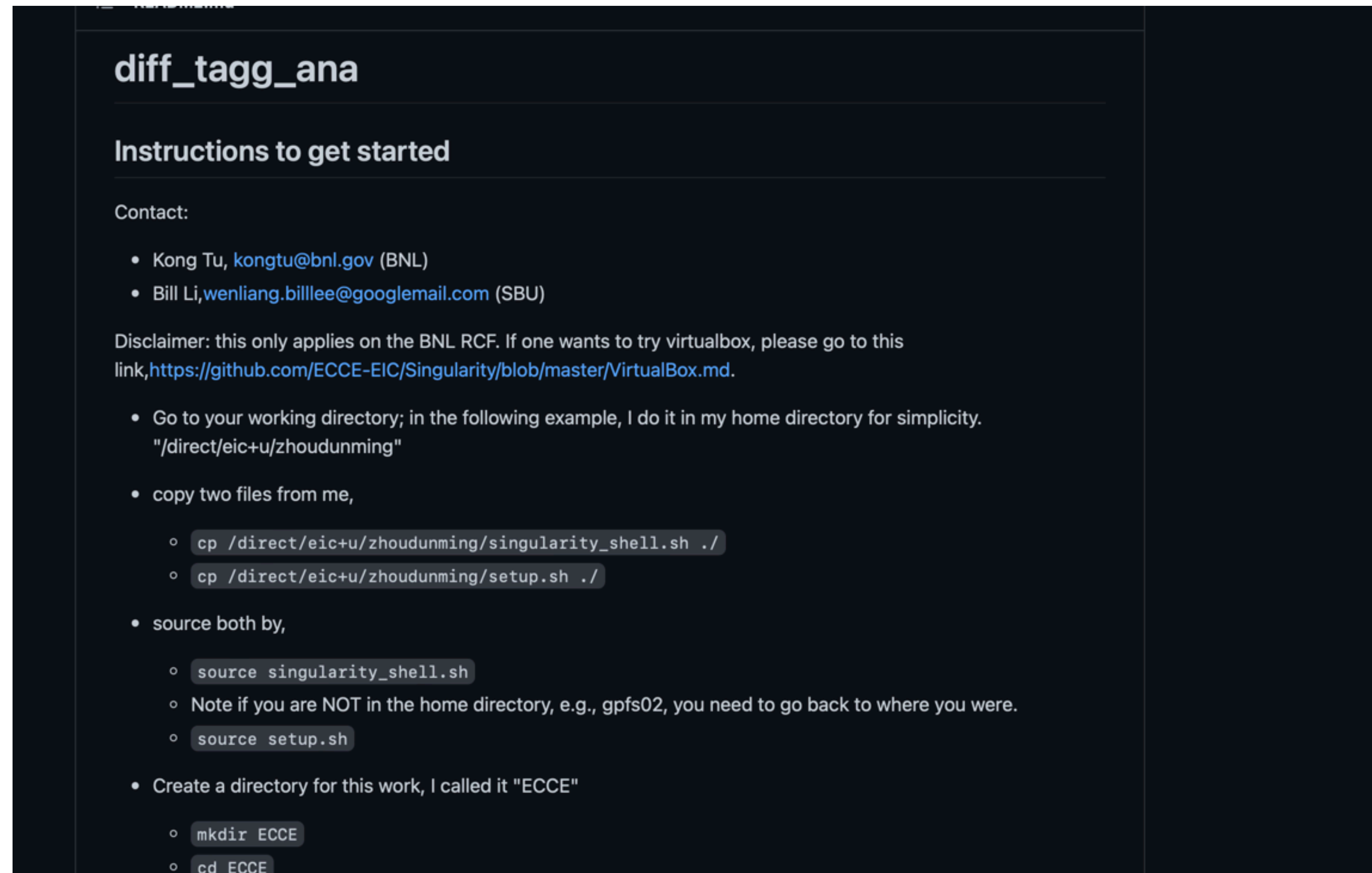
```
$ ls /work/eic2/
```

From BNL SDCC (eic0101):

```
$ singularity shell -c /cvmfs/eic.opensciencegrid.org/singularity/rhic_s17_ext
$ export LD_PRELOAD=/usr/lib64/libXrdPosixPreload.so
$ ls root://dtn-eic.jlab.org//work/eic2/EPIC
```

# Looking at the Files

- Sim output is Fun4All DST trees
- **Sample code** to get started from Kong can be found at:
- [https://github.com/KongTu/diff\\_tagg\\_ana](https://github.com/KongTu/diff_tagg_ana)
- Please ask us if you need help



The screenshot shows a GitHub repository page for 'diff\_tagg\_ana'. The page title is 'diff\_tagg\_ana' and the section is 'Instructions to get started'. Under 'Contact:', there are two entries: Kong Tu, kongtu@bnl.gov (BNL) and Bill Li, wenliang.billlee@gmail.com (SBU). A disclaimer states: 'Disclaimer: this only applies on the BNL RCF. If one wants to try virtualbox, please go to this link, https://github.com/ECCE-EIC/Singularity/blob/master/VirtualBox.md.' The instructions are as follows:

- Go to your working directory; in the following example, I do it in my home directory for simplicity.  
"/direct/eic+u/zhoudunming"
- copy two files from me,
  - `cp /direct/eic+u/zhoudunming/singularity_shell.sh ./`
  - `cp /direct/eic+u/zhoudunming/setup.sh ./`
- source both by,
  - `source singularity_shell.sh`
  - Note if you are NOT in the home directory, e.g., gpfs02, you need to go back to where you were.
  - `source setup.sh`
- Create a directory for this work, I called it "ECCE"
  - `mkdir ECCE`
  - `cd ECCE`

## Comments for Future Campaigns (October)

- **Next campaign is October**
  - We should start discussing in more detail what files/configs/signals/backgrounds to simulate
  - Please start to think about this for your reaction
  - Let us know if you have any requests not previously submitted/discussed
- **Request from SimQ&A team:**
  - Please standardise output formats of generators to HEPMC3, ASCII or root before the October campaign
  - Questions for sim team: where can we find examples of how to do this? Is HEPMC3 format preferred?

## September is Single Software Stack Training Month

- Next campaign is October
  - Aim is to use single software stack
- In addition to standardising generator outputs, **please join the training sessions throughout September** to get up to speed/used to software
- Program is below
- Each is run twice, at different time zones
- Look out for the announcements/reminders seem come to eic-projdet-collab mailing list
  - September 2: Setting up your environment for collaborative EPIC development
  - September 9: Geometry development using DD4hep: how to modify or add detector description?
  - September 16: Simulation of single particles or physics events using geant4 and ddsim
  - September 23: Reconstruction algorithms in JANA2: from geant4 output to reconstructed quantities
  - September 30: Writing physics benchmarks that run automatically and reproducibly
- **Indico page with links to all sessions:**
  - <https://indico.bnl.gov/category/443/>
  - Recordings are posted there too or on <https://www.youtube.com/channel/UCXc9WfDKdILXoZMGrotkf7w>

## Any other business?

- Compiling task list - eg what tasks are available for new people?
  - We discussed during meeting that as a first step we will set up wiki to post meeting links, slide links etc and we can add a task list there that people can start adding to