EPD GSTAR update

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SHLD

shield

"we have a conflict in the names of volumes in the cave's shielding blocks (SHLD) and in the upstream area, where we use SHLD as well. So the upstream area shielding gets dropped, and we are back to having low energy particles splash out of the tunnels."
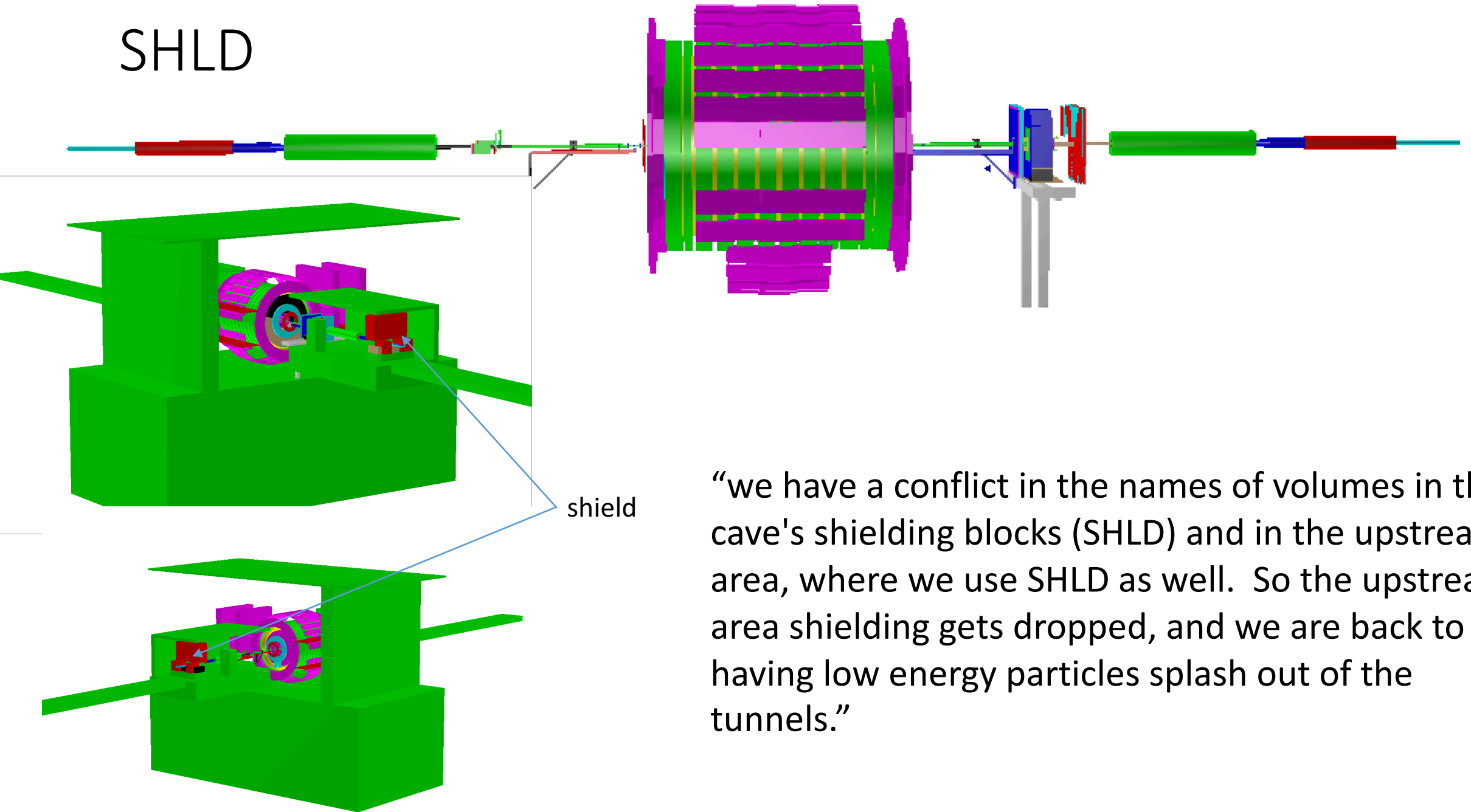
GSTAR - STAR scheduler

- **Earlier**: c++ macro, generate HIJING simulation and feed into GSTAR
  - Issue: Scheduler is not able to run

- **Work around**: **plain starsim**
  - A script will generate HIJING events
  - Output is feed to starsim – PAW
  - This will work for mostly 10 events at a time
- I have the macros ready (~ 2000 events available now)
- Still some memory issues when creating the vertexes
  - Old Fortran doesn't have dynamic memory allocation
  - Jason promised to fix it

Creating MuDSTs

- I have a maker which can read GSTAR output
  - For EPD:
    - EW
    - PP
    - TT
    - Eloss
- Mike, can you tell me how to fill it in StEvent?