- I used both very fine (unit 37) and the new less fine (unit 27) FLUKA output files to estimate the temperature in the absorber using Mathematica .
- Four cooling holes 7cm offset from the center, with 1.2cm radii.
- Average cooling water temperature of 40 ^{O}C.
- Copper thermal conductivity of 393 W/(m K).
- Water-to-copper thermal exchange coefficient of 5000 W/(m^2 K).
- 5mm mesh size, with 0.5mm finer element size near the hot spot.
  - The slits in the absorber are not modeled in Mathematica.
  - ~52.5 KW of deposited power seen in this mesh.
    - This includes the power in the slits.
  - Maximum power deposition density is at ~4 KW/cm^3.
- The hot spot temperature is ~190 ^{O}C at z=33cm.