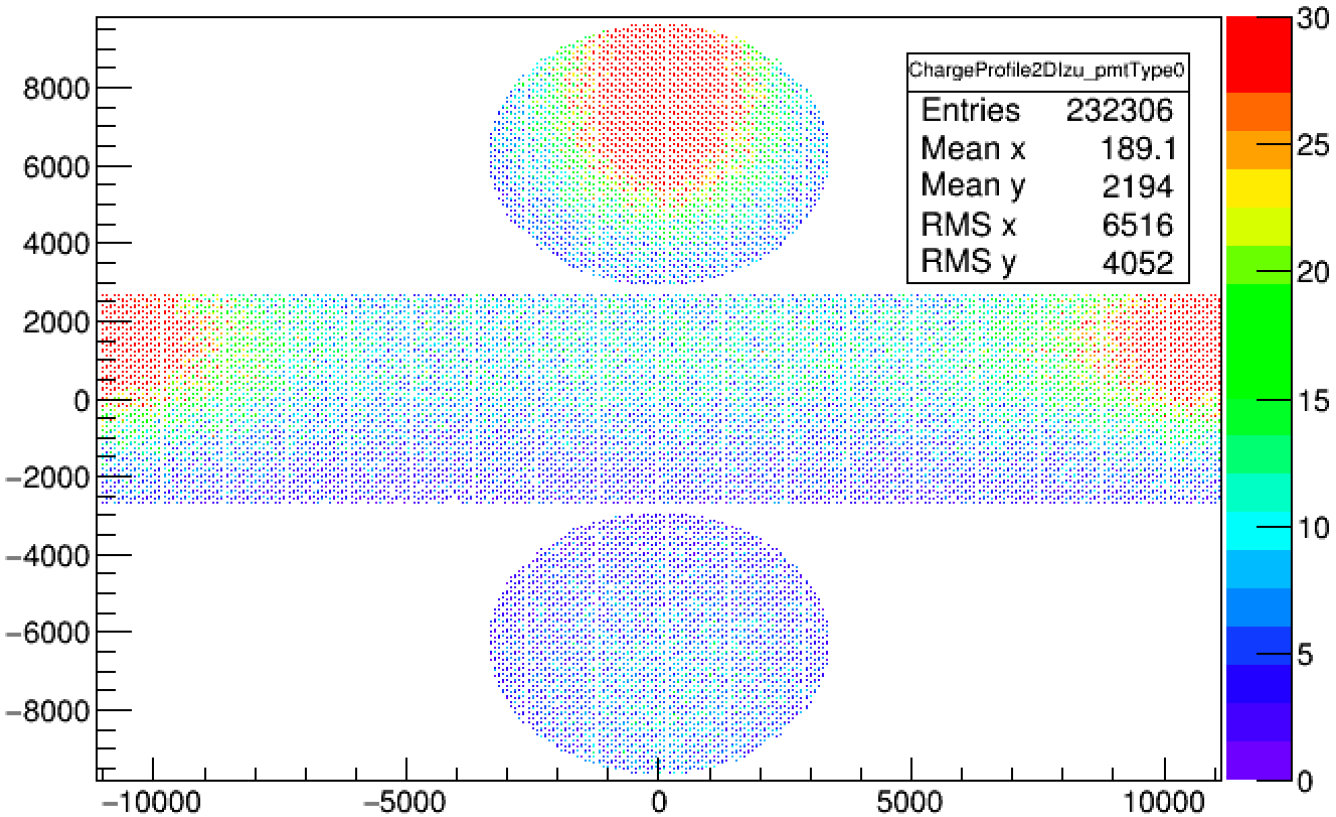
Status Report

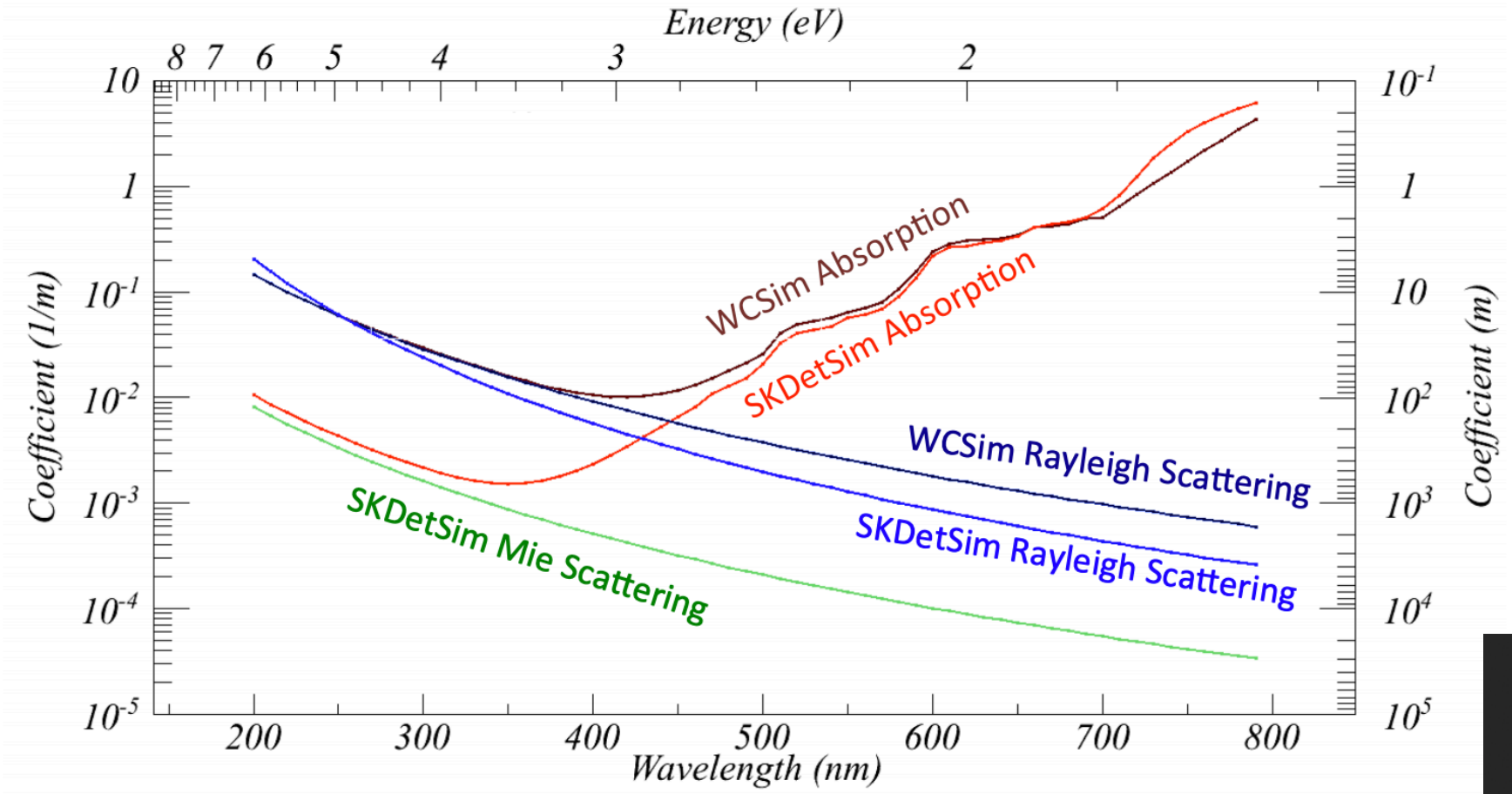
Isao Sashima
Aug. 28 , 2020
mPMT meeting

・searched for the suitable tuning parameters by changing the effects of scattering and water absorption

・trying to figure out how to calibrate the laser in my current experiments

- Tunings are consistent and complimentary:
  - RAY = 0.800 (63.3 m @ λ=340 nm)
  - ABW = 0.900 (583 m @ λ=340 nm)
  - RGC = 0.280 (28% for all λ)
  - BSR = 2.100 (9.45% @ λ=340 nm)






```
# Set tuning parameters
/WCSim/tuning/abwff 0.05
/WCSim/tuning/rgcff 0.32
/WCSim/tuning/rayff 0.01
/WCSim/tuning/bsrff 2.5
/WCSim/tuning/mieff 0.0

# Parameters to set up Top Veto - jl145
# Set to "1" to turn on top veto.
/WCSim/tuning/topveto 0
# Set top veto PMT spacing in cm.
/WCSim/tuning/tvspacing 100


```

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```

B&L