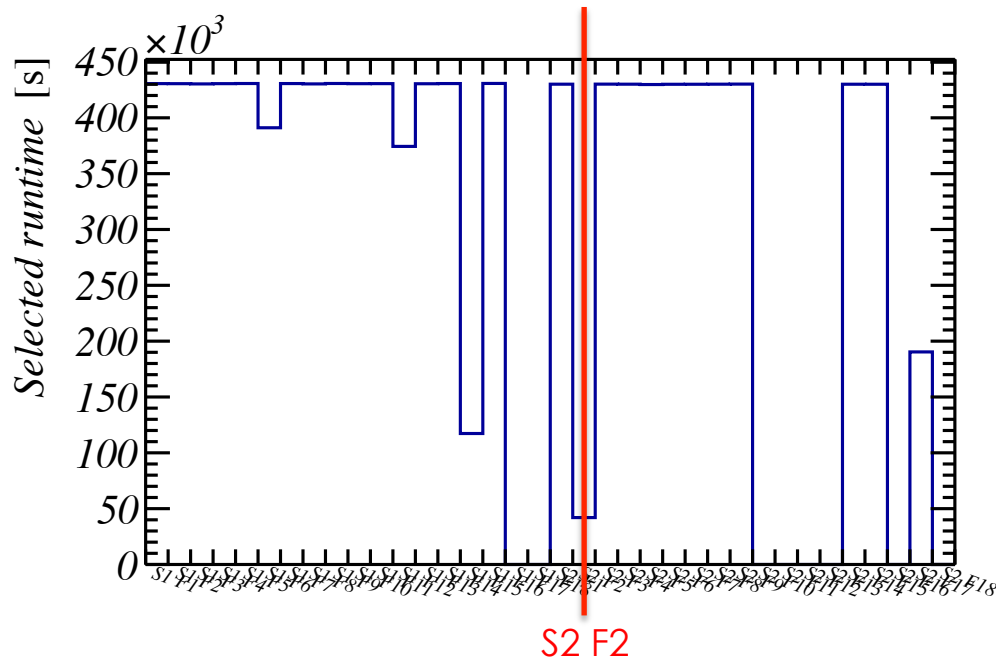


Update on Reconstruction

Group meeting 2nd December

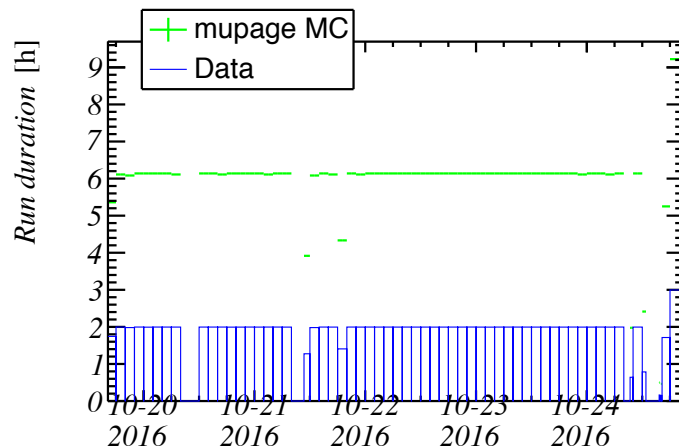
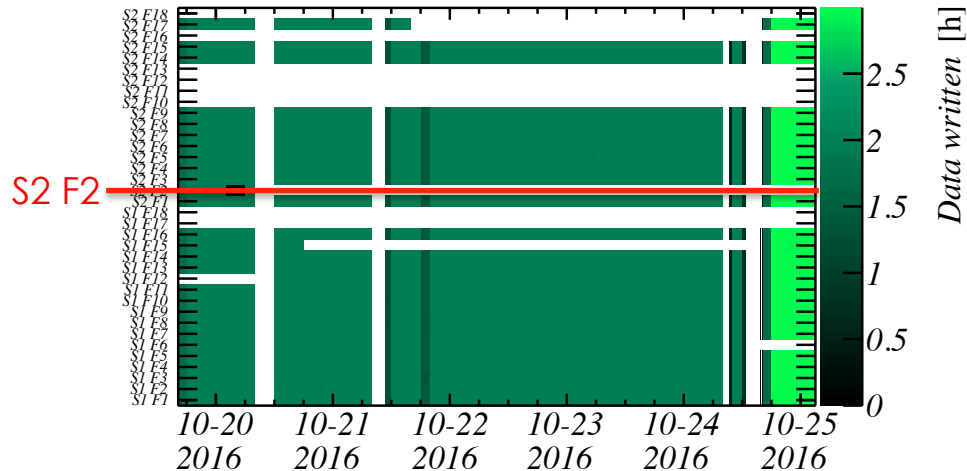
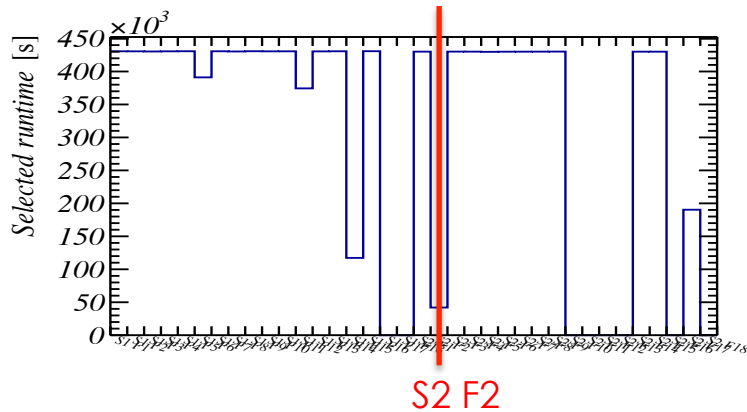
Runs used

- Runs 4455 – 4530
 - Same runsetup
 - 19 oct. 16:16 – 25 oct. 3:00
 - 130.7 hours
 - Run duration: 119.4 h (91%)
- S2 F2 manually excluded

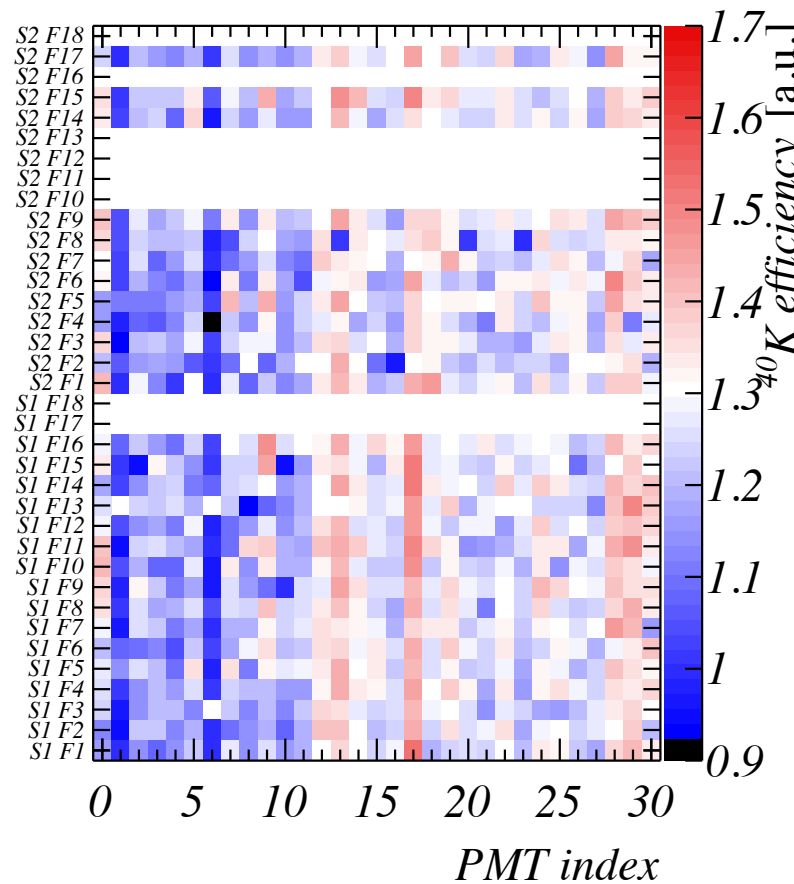
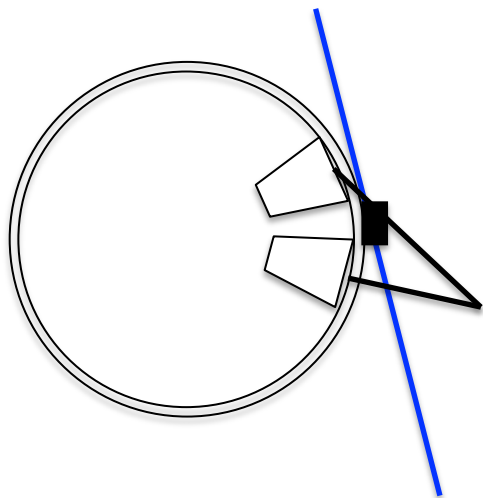


DOM Activity

- Run-by-run MC simulation
- Simulated lifetime 3x data lifetime

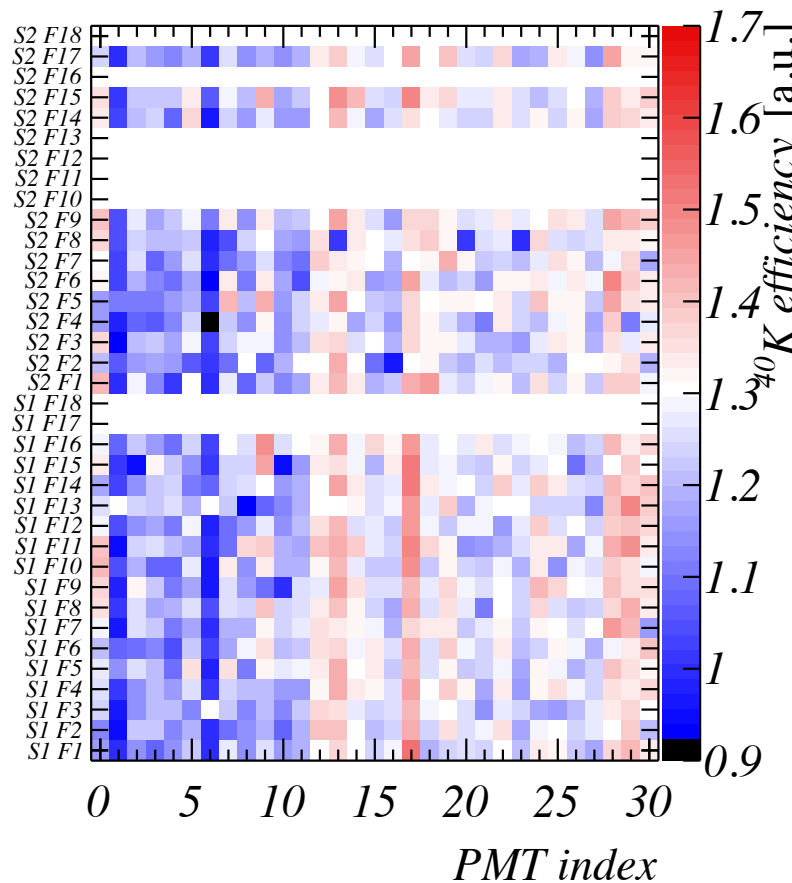
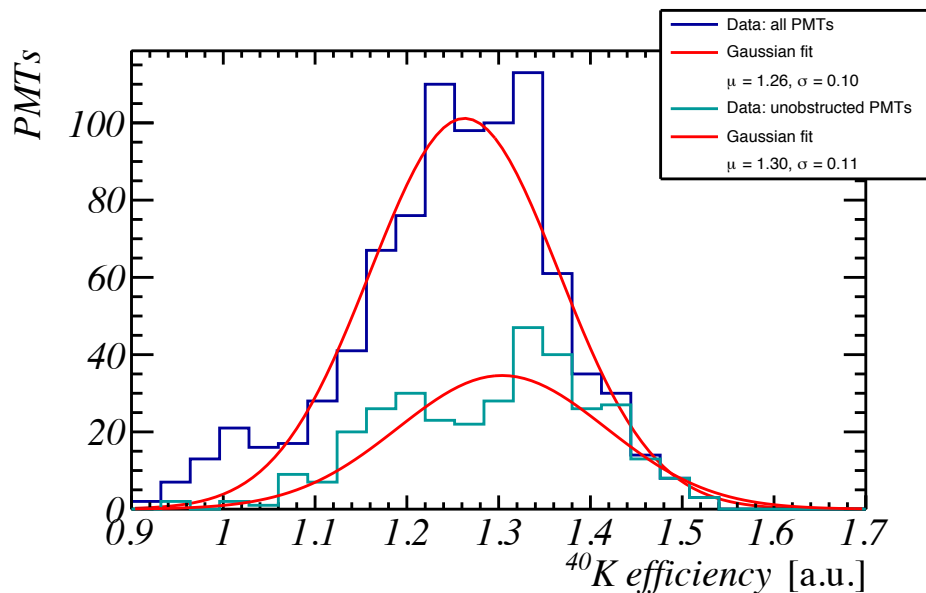


PMT Efficiencies



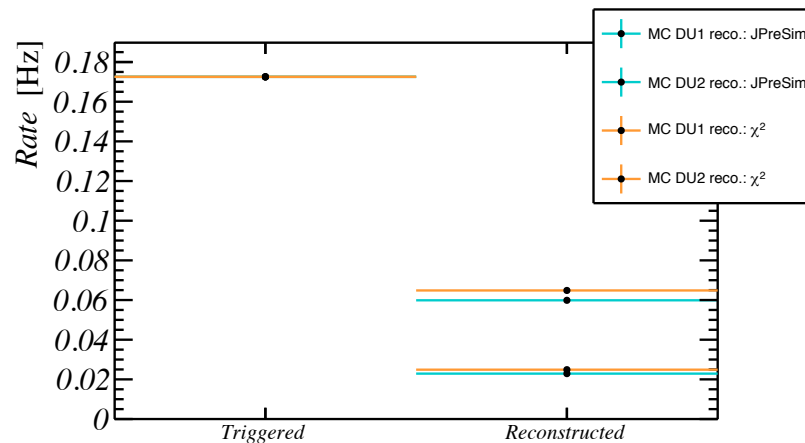
PMT Efficiencies

- 8% variations in efficiencies (PMT QEs)
- 3% lower efficiency due to collar.



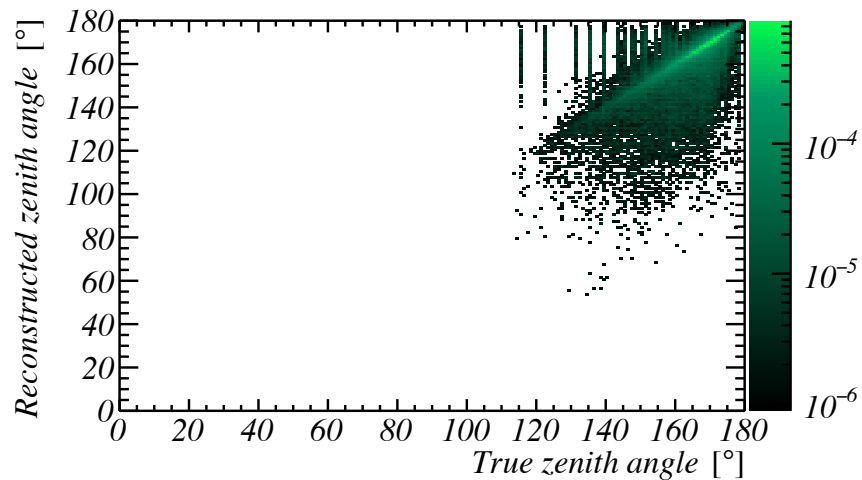
Reconstruction

- Triggered events on both strings
- Events reconstructed on DU-level
 - JPreSim & χ^2 fit

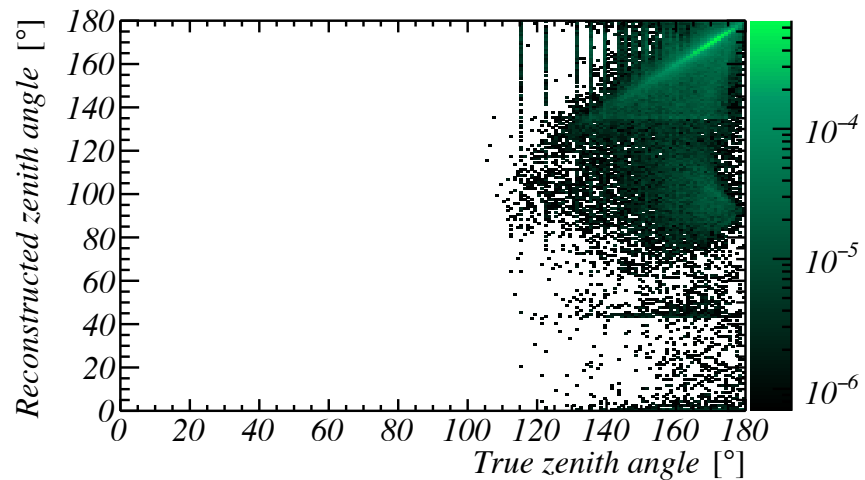


Data vs. MC: Zenith angle

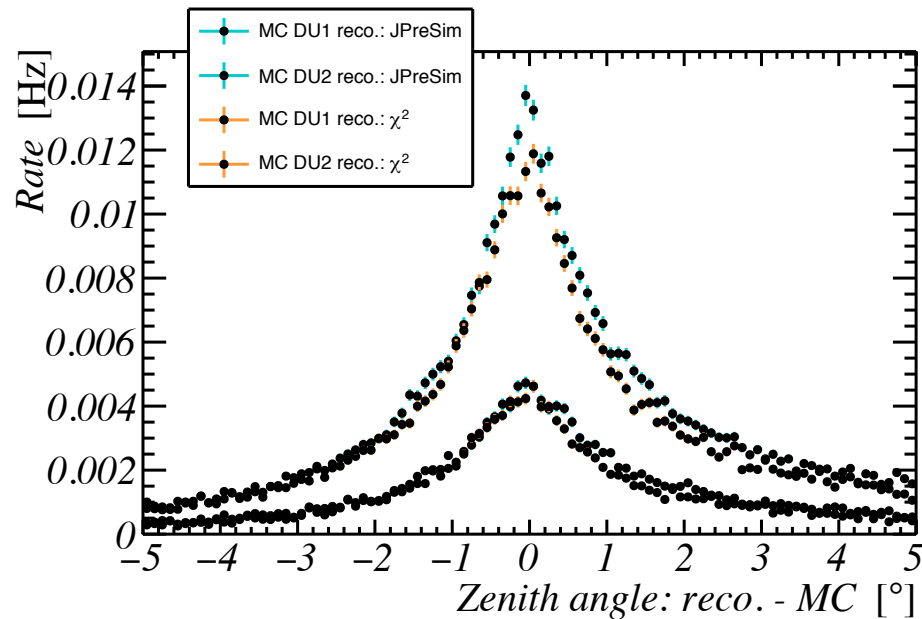
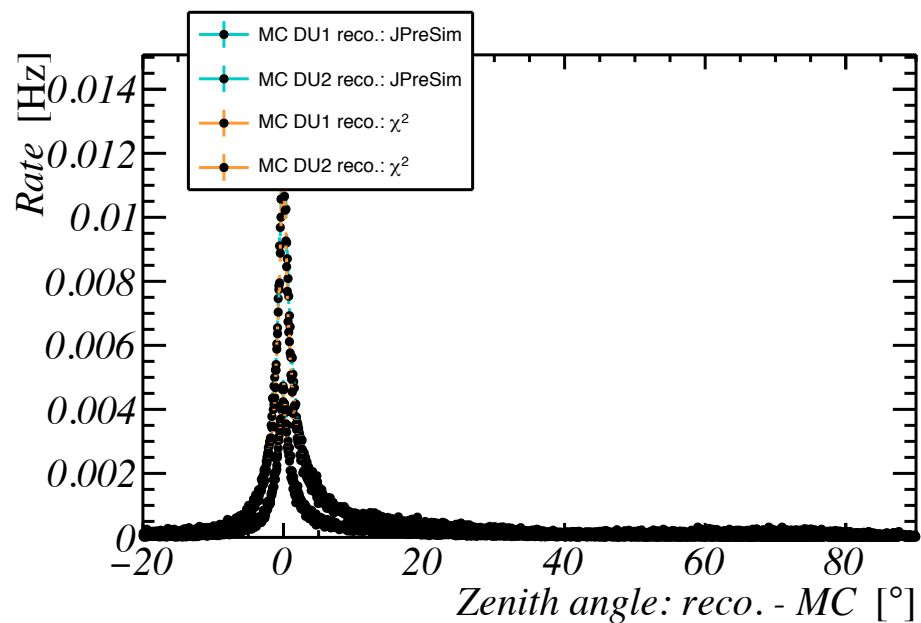
JPreSim



Chi²

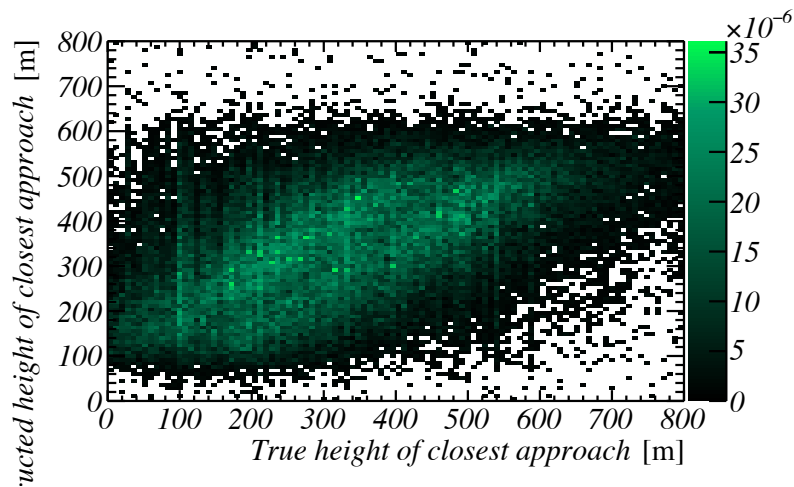


Data vs. MC: Zenith angle

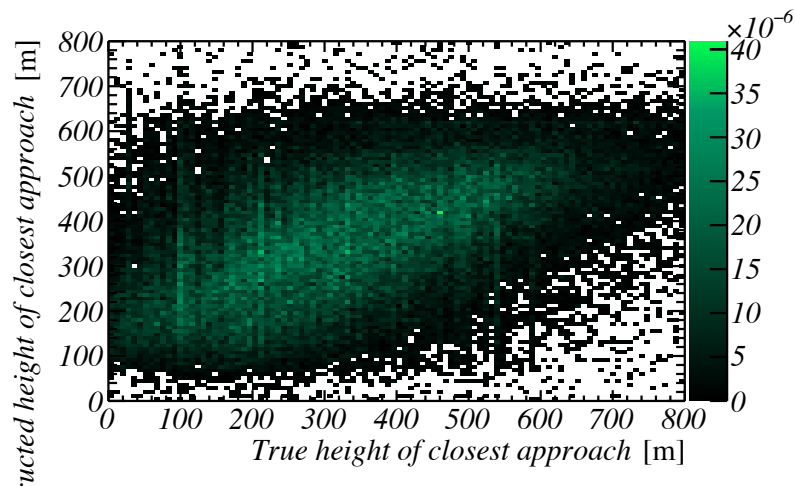


Data vs. MC: Height of closest approach

JPreSim



Chi²



Data vs. MC: Distance of closest approach

