

# Corsika-fluor update

JL Contreras 24/02/21

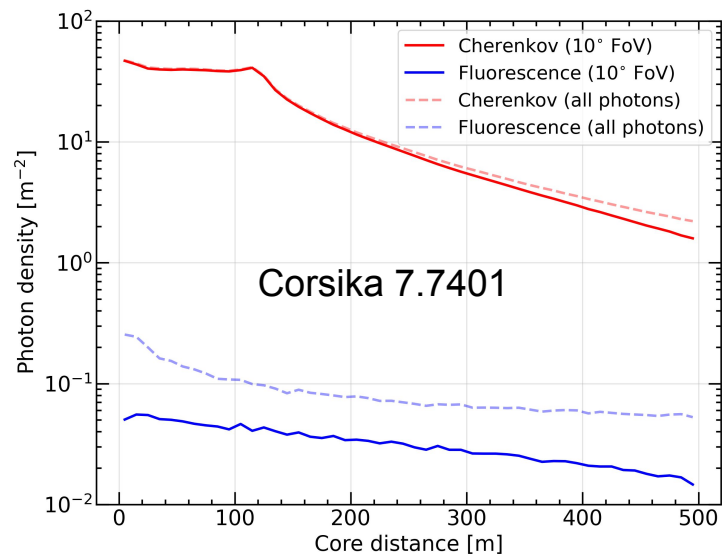
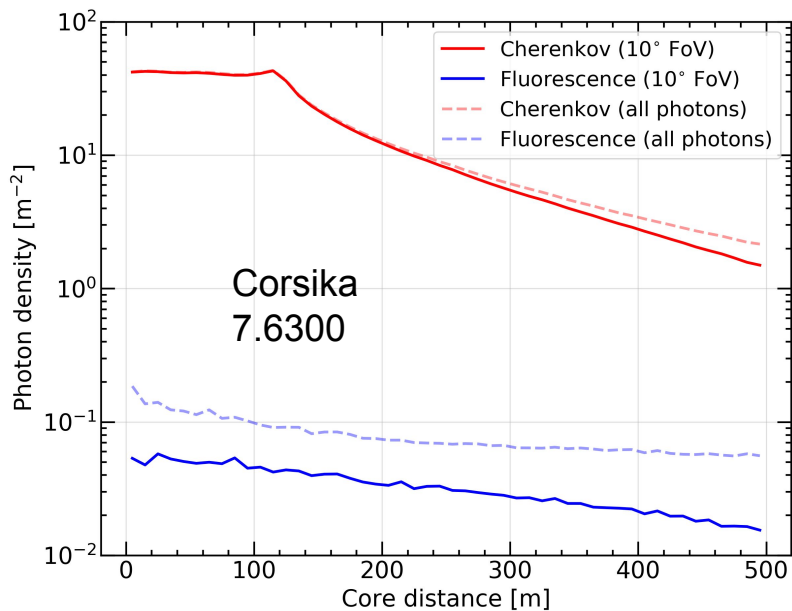
# Progress during the month

We have been testing the fluorescence version of the latest Corsika version:

- Corsika 7.7401  
(latest version available on ftp if 7.7402 adds only minor bugs fixes)
- We had problems due to a bug in Corsika which apparently has been there since at least 7.7100.  
No Cherenkov light is produced if mode is NOT IACT ...  
and showers are not reused (no CSCAT)  
Bug is now understood and Corsika team will be informed.

# Comparison of results looks fine

- Code looks well integrated.
- Cherenkov light density on ground is compatible with previous results.



# Next steps

- Contact Corsika team
  - Clean up and automatize tests
  - Generate version for 7.7402
  - Generate containers for CTA version (7.7100) and 7.7402
- 
- Seek increasing speed
  - Work on Corsika 8