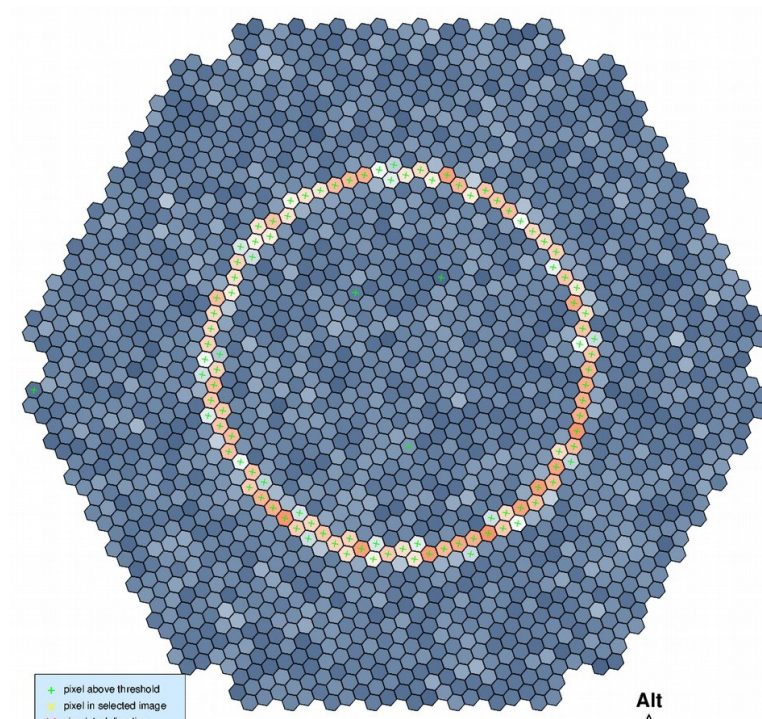


# Use of muon rings for LST calibration

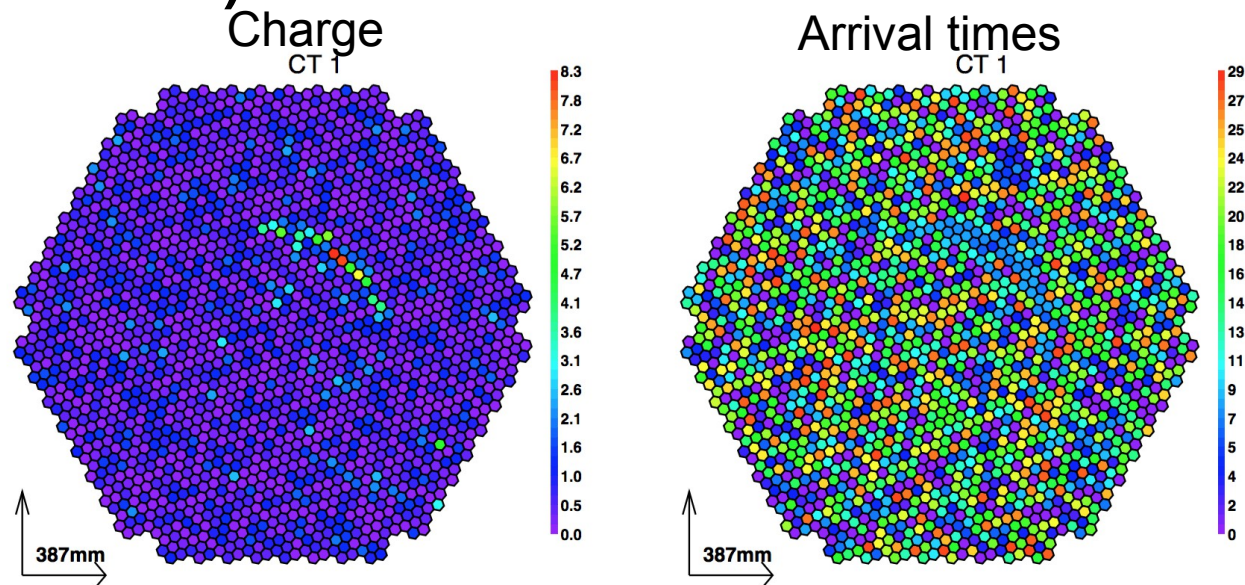


# Muon Analysis for LST

- Stereo muons
  - Additional corrections?
  - Dedicated muon runs?
- No selection at the level of camera server
- LST sees high in the atmosphere:
  - More *reddening* of the Cherenkov light

# Procedure

- Run prod2\_muon\_run script (includes corsika and sim\_telarray).
  - Only one telescope type at a time
- Run Chimp (export to root format, signal extraction)



# Modify MARS

- Mars/mmuon modified by E. Prandini
  - Telescope diameter hardcoded in MmuonCalibParCalc.cc → Move telescope-specific options to input cards in MAGIC software (MARS)
- Include muon selection in Mars/macros/CTAstar.C
  - Ongoing

# Conclusions

