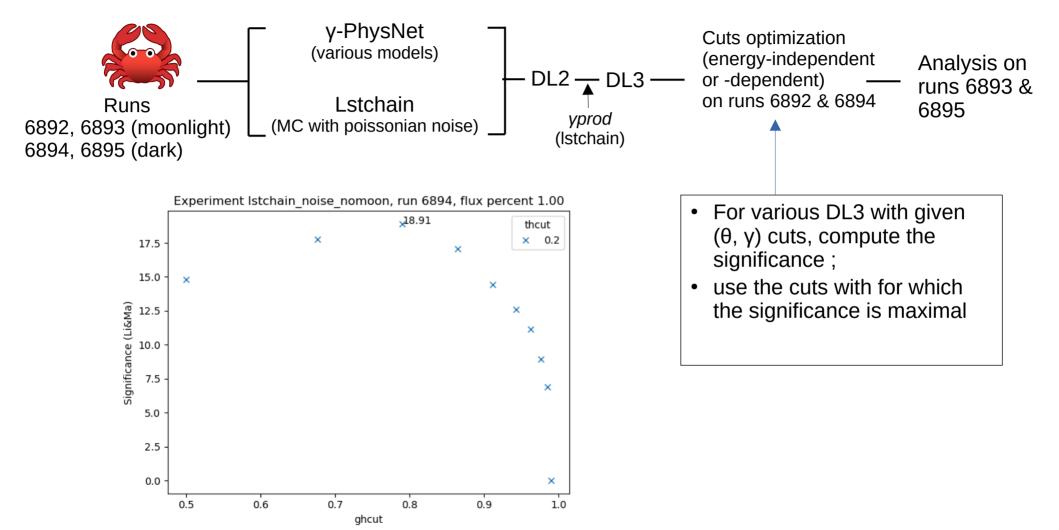
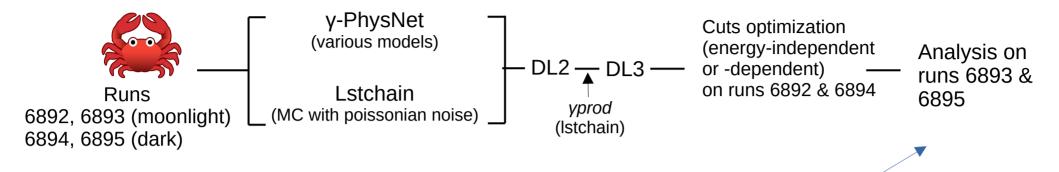
Gammalearn

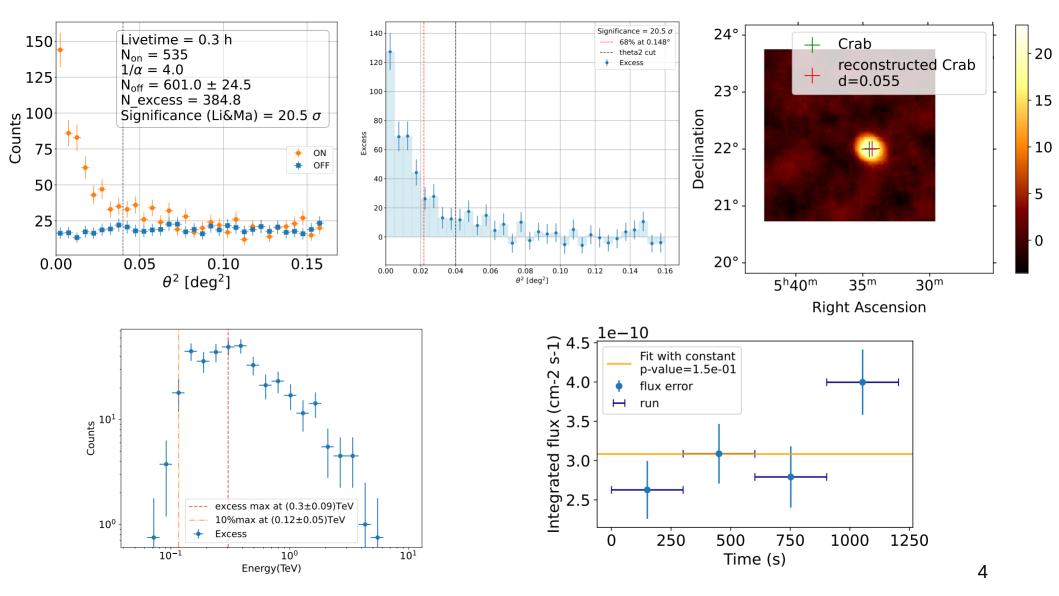
- project in ESCAPE program (informatics for astrophysics or particules physics, openscience)
- Thomas, Michael, Vincent, Sami, Tom, Pierre, Alexandre (LISTIC) and me
- deep learning & adaptative domain (γ-PhysNet, Michael Jacquemont) applied on LST data production chain and RTA
- My contribution (with Sami) : **benchmark** (*yscan*) to test Gammalearn performances with Crab data and compare with *Istchain* performances

$$\begin{array}{ccc} & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & & \\ & & & \\ &$$





- Significance
- Safe energy range
- Angle corresponding to 68% of θ^2 plot
- Energy corresponding to the maximum of the excess and its error from simulations
- "Minimal reconstruction energy" from 10% of excess maximum and its error from simulations
- Bias on the reconstructed position (significance map)
- Variability estimation of the lightcurve (pvalue of a constant fit)



- Poster & proceeding in ADASS conference
- Results in Michael's thesis (energy-independent cuts (yness cut, θ^2 cut))
- Paper in october with energy-dependent cuts (*γefficiency*, θcontainment)
 Ongoing
- merge branch of figures of merit from energy-dependent cuts
- "clean" 1st test on lstchain data & gammalearn data
- final results production