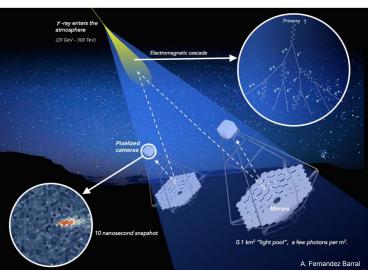
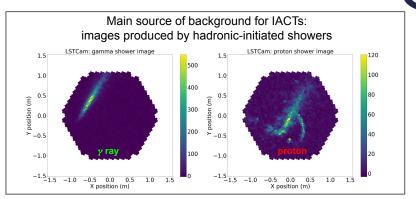
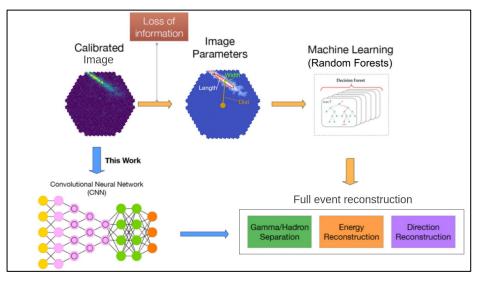
Deep-learning-driven event reconstruction applied to simulated data from a single Large-Sized Telescope of CTA







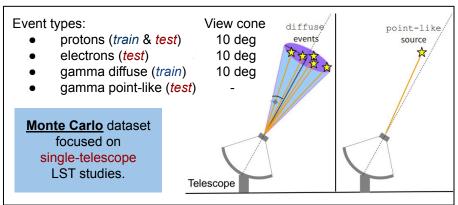


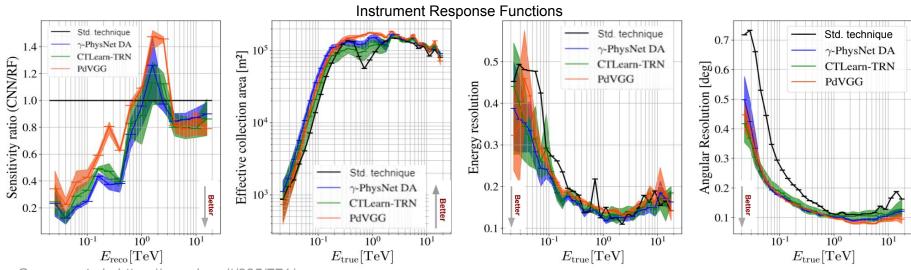
Deep-learning-driven event reconstruction applied to simulated data from a single Large-Sized Telescope of CTA



3 implementations \rightarrow 3 different approaches

- CTLearn-TRN (based on Thin-ResNets)
- γ -PhysNet DA (based on ResNets)
- PdVGG (based on VGG)
- Similar results
- ✓ Performances improved w.r.t. standard technique at energies below ~200 GeV (up to > 40%)





Pietro Grespan et al., https://pos.sissa.it/395/771/