Contribution ID: **130**   Type: **Poster**

【386】 SST-1M Telescopes, Preliminary Results and Deep Learning Event Reconstruction with CTLearn

SST-1M is a single-mirror small size Cherenkov telescope prototype developed by a consortium among institutes in Switzerland, Poland, and the Czech Republic. Currently undergoing commissioning at the Ondřejov Observatory in the Czech Republic, two SST-1M telescopes are actively collecting data of astrophysical gamma-ray sources. This poster provides an overview of the telescope and camera designs, and analysis pipeline, including evaluations of the instrument's responses. Preliminary results derived from ongoing observations are presented. Focus is made on the implementation of deep learning with CTLearn for event reconstruction, utilizing Convolution Neural Networks to classify gammas and hadrons primaries.

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Session Classification: Poster Session

Track Classification: Nuclear, Particle- and Astrophysics (TASK)