

# Armagh Observatory and Planetarium's Outreach Programme for the Cherenkov Telescope Array

*Tuesday, July 13, 2021 12:00 PM (12 minutes)*

We describe an outreach programme being undertaken at the Armagh Observatory and Planetarium (AOP) for the Cherenkov Telescope Array (CTA). Founded in 1790 and with a rich astronomical heritage, AOP today combines the research and education arms of our organisation to bring a research-informed outreach programme to the public, most often through our planetarium-related activities.

We have developed and written, in-house, a short (10 minute) Full Dome planetarium show ("Exploring the High-Energy Universe") that describes the science of gamma-ray astronomy and introduces the CTA as the first ground-based gamma-ray observatory open to scientific communities. This dome show will be made freely and publicly available through the Digistar cloud to other planetaria. It may be rendered into other formats for other planetarium projector systems. We will explain how we undertook this project and consider how it might be extended to provide outreach material for other science facilities.

In parallel, we are engaged in developing a series of short videos to introduce the scientists and the science of the UK CTA consortium, again designed for public audiences. These videos can be accessed through our social media channels. Delivery of such outreach programme in byte-sized pieces is an essential element in attracting and engaging audiences. We explain how we have developed the skill set to do this in our Education Team at AOP whilst our facility has been closed for the past year, a result of the Covid-pandemic.

## Keywords

CTA; gamma-ray; planetarium; outreach; education

## Collaboration

CTA

## other Collaboration

## Subcategory

Outreach and Education

**Primary author:** BURTON, Michael (Armagh Observatory and Planetarium)

**Co-authors:** Ms ALEXANDER, Heather (Armagh Observatory and Planetarium); Mr CUBUK, Kerem (Armagh Observatory and Planetarium)

**Presenter:** BURTON, Michael (Armagh Observatory and Planetarium)

**Session Classification:** Discussion

**Track Classification:** Outreach and Education: O & E | Outreach and Education