

2019/11/08

Evaluation of a multi-channel silicon photomultiplier (SiPM) with a light concentrator for Medium-Sized Telescopes of Cherenkov Telescope Array

Name : Zenin Anatolii

Affiliation : Graduate school of Science

Cosmic Ray Laboratory (Grade D1)

Duration of the stay : 2019/10/01~10/06

Name & country of the workshop :

SiPM workshop: from fundamental research to industrial applications, Bari, Italy

I attended the SiPM workshop in Italy and presented my research concerning the viability of silicon photomultipliers for use in current cameras of Medium-Sized Telescopes of the Cherenkov Telescope Array. We are now considering the replacement of the current PMT detectors with SiPMs, which can not be damaged by large fluxes of photons and thus can be used to observations under high night sky background. Our early results look quite promising.

By listening to other talks I managed to learn a number of things regarding other applications of SiPMs, including new astrophysical experiments made possible only thanks to the development of SiPMs.

図2-1 参加風景 (例)

<Remark> if any

- 1) -
- 2) -

<Reference> if any

- 1) -
- 2) -

<Supervisor's name>

Tajima Hiroyasu