

# Cosmic Hunter

SP5620CH

CHECK THIS OUT!

NEW



**Build your Muons telescope!**  
**A very simple discovery tool for young students**

## Experiments

- **Cosmic Muons detection**
- **Coincidence (single, double and triple)**
- **Zenit angle dependance**
- **Cosmic Shower Detection**



Be part of the project: develop your own experience and send an email to [educational@caen.it](mailto:educational@caen.it)

**Cosmic rays** are energetic, subatomic particles constantly bombard the Earth's atmosphere from all directions.

Nowadays, new technological solutions are investigated by scientists to improve their knowledge in this field.

**Cosmic Hunter** is a new educational tool through which CAEN wants to inspire young students and guide them towards the analysis and comprehension of cosmic rays.

Cosmic Hunter, Silicon Photo-Multipliers (**SiPM**) based, is composed of one detection - coincidence unit together with up to three plastic scintillating tiles.

Muons detections, flux estimation, shower detection and more are allowed thanks to a **flexible system geometry**.

## Features

- Based on SiPM detectors and plastic scintillating tiles.
- Up to 3 scintillating tiles management
- Flexible system geometry
- No Needs SW interface
- Embedded E Ink Display
- SD card to download data

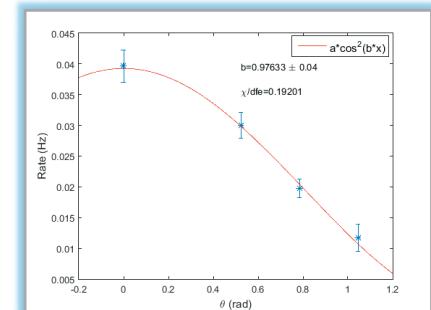
## Additional Tool



SP5609 - Telescope mechanics



SP5620CH - Cosmic Hunter Kit



Zenith dependence of the Muons flux

### Ordering Option

Code	Description
WK5620CHAAAA	SP5620CH - Cosmic Hunter
WSP5622XAAAA	SP5622 - Detection System
WSP5609XAAAA	SP5609 - Telescope Mechanics

**Cosmic Hunter is also available with 3 tiles for Triple Coincidence and Shower Detection**



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