



Clockwise from left
lower deck

James
Justin
Ruslan
Leïla
Cosimo
Hugo
Etam

www.cosmicpi.org

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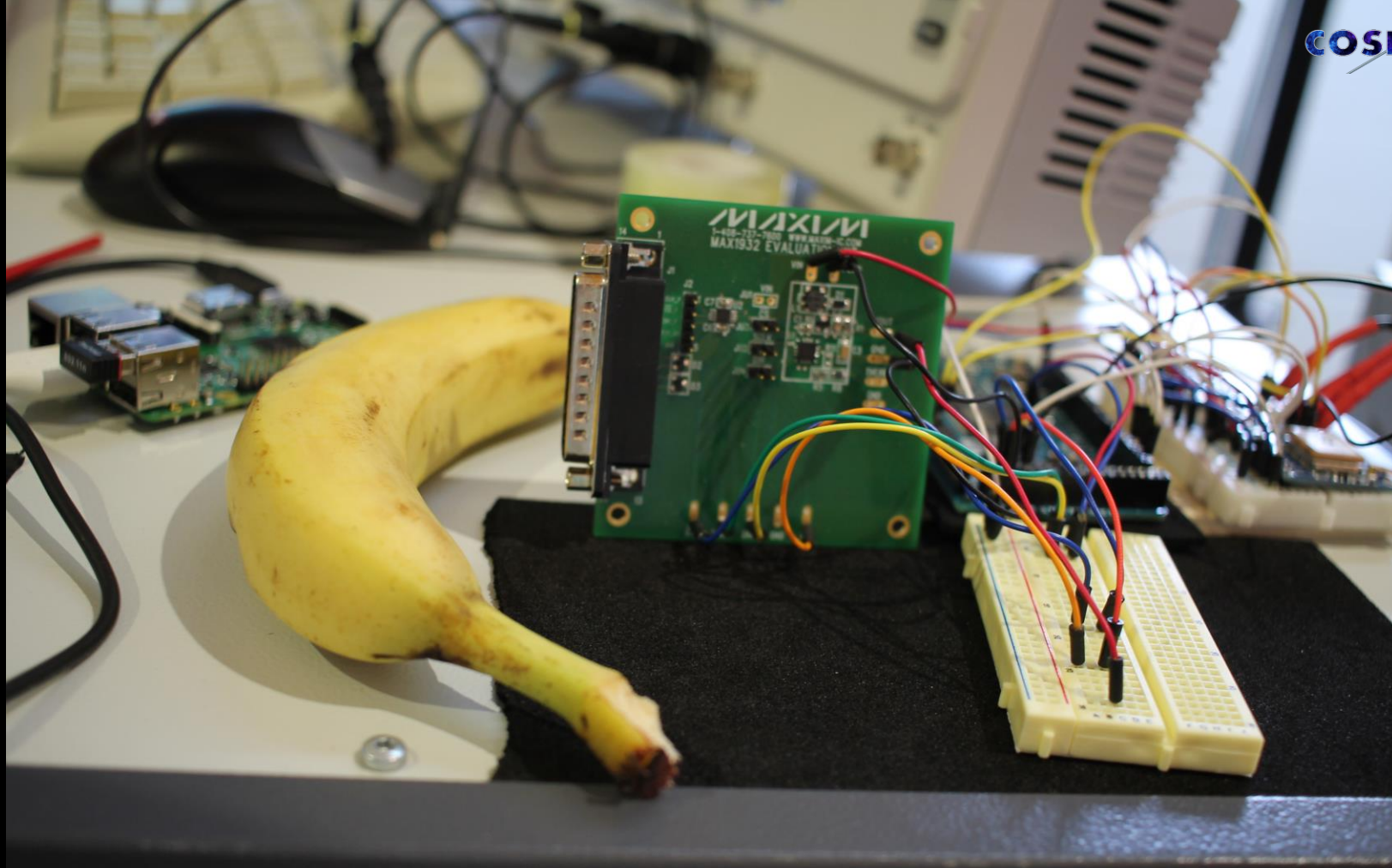
Cosmic Dream

Bringing cosmic rays to Citizen Scientists

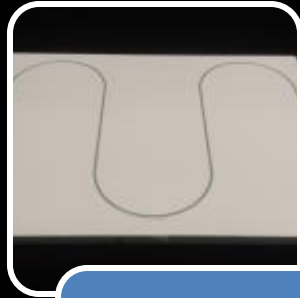
Several worldwide CosmicPi units synchronise to form the world's largest cosmic ray telescope





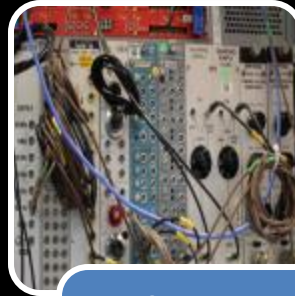


1st CosmicPi Prototype



Detector module

- scintillator tile
- two SiPM
- light tight enclosure



Analog Processing

- trigger generation
- signal amplification
- signal shaping



Digital Processing

- analog signal digitization
- sensors readout
- data organization
- power supply control
- Communication and data display via touchscreen



Data Processing

- data acquisition
- data storage
- data analysis
- communication with central server or local computer
- data visualization

Final CosmicPi Design

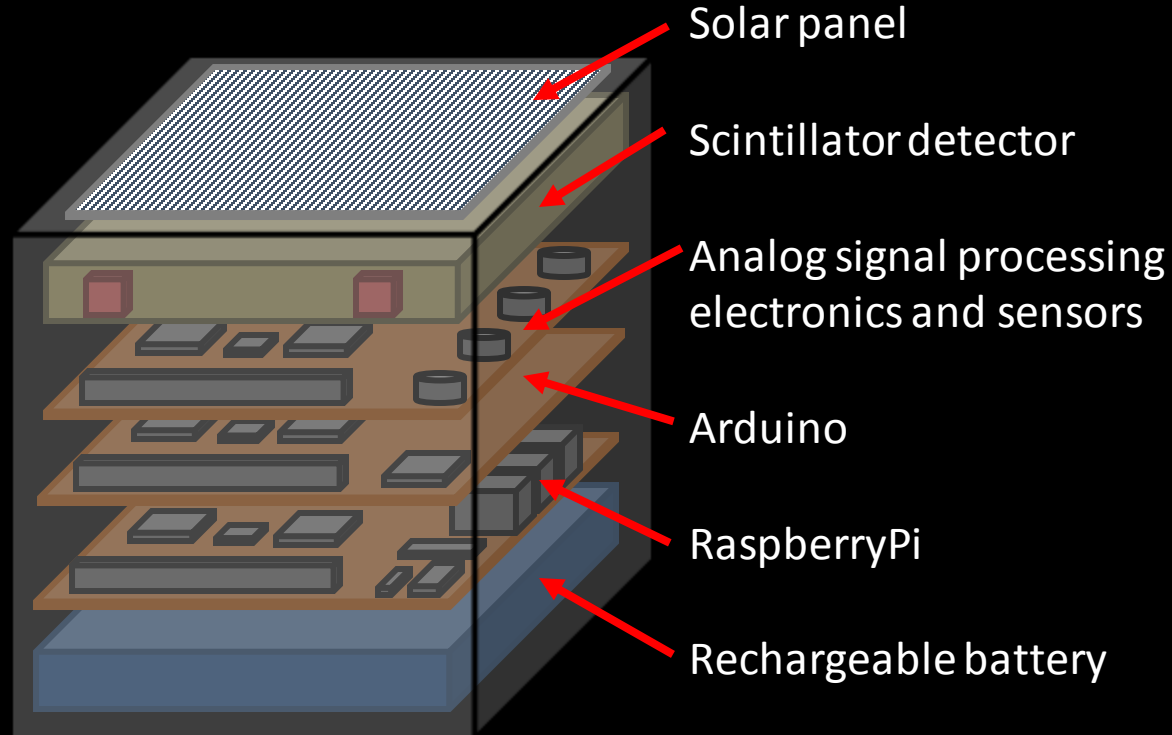
Particle detector (dosimeter)

Weather station

Educational Kit to teach:

- **Physics**
- **Modern electronics**
- **Programming**
- **Software**

**For anybody who is interested
in science**



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