

Measurement of the muon flux in the bunker of Monte Soratte with the CRC detector

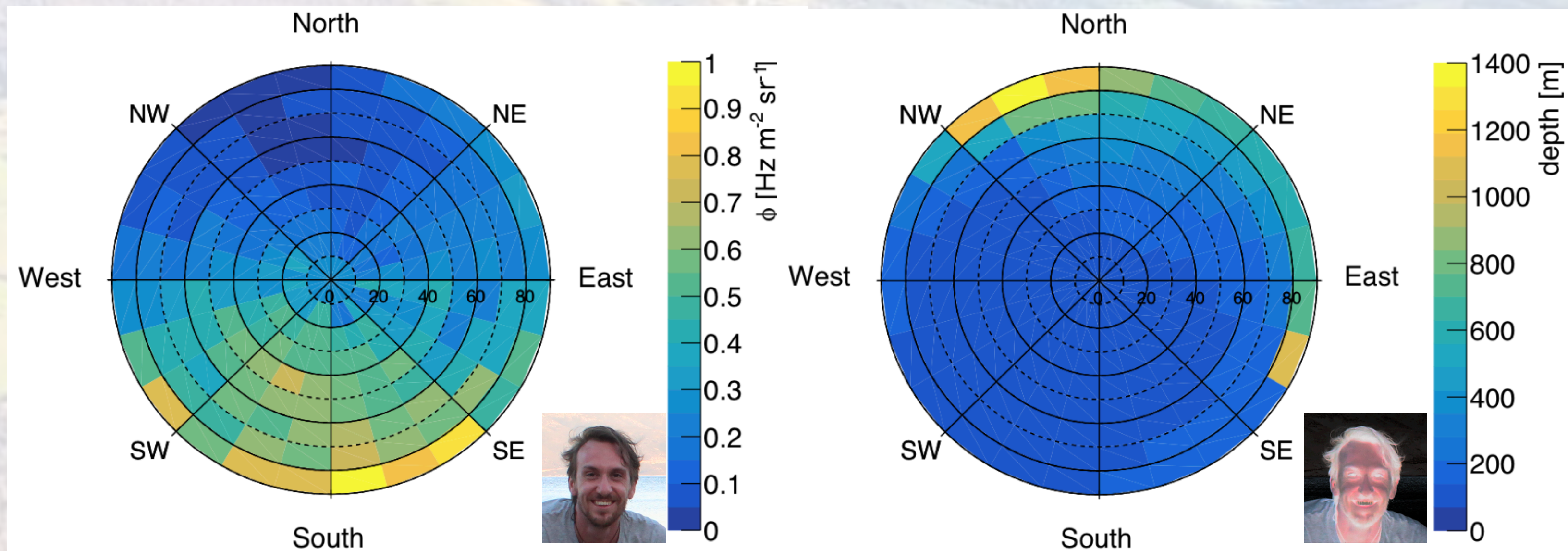
The **Cosmic Ray Cube** is a portable tracking device conceived for outreach activities.

- ▶ It consists of 48 scintillating bars with WLS fibres coupled to SiPMs.
- ▶ Its operation requires only the standard electrical power.

The detector was used to measure the differential muon flux inside the bunker of Monte Soratte (Italy) a suitable location for the Ptolemy experiment.

The differential muon flux Φ_μ scan highlights the details of the mountain above the bunker:

➡ providing a map of the rock thickness that surrounds the detector.



*Giuliano
Gustavino*