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## **Results from ARGO-YBJ**

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The ARGO-YBJ experiment has operated at the Yangbajing cosmic ray (CR) laboratory (Tibet, PR China, 4300 m a.s.l., 606 g/cm<sup>2</sup>) from November 2007 until February 2013. The detector consisted of a single layer (6700 m<sup>2</sup>) of RPCs operating in streamer mode, with a full coverage approach (sensitive area equal to 93% of the geometric one). The digital readout of the signal (strip) provided a high spatial and temporal resolution in the shower front reconstruction for shower energy lower than a few hundred TeV. With an analog readout, in operation since December 2009 on 5800 m2, the experiment was able to measure higher energies and access the knee region of the CR spectrum. Major targets of the experiment were the gamma astronomy up to tens of TeV; the gamma-ray bursts physics; the measurement of the antiproton/proton ratio at the TeV energies; the physics of the sun and the heliosphere. CR physics, with special attention to anisotropy and composition around the knee of the spectrum. Here we report a summary of main scientific achievements.

## Biography

Michele lacovacci is an Associate Professor of Physics, teaching for students of Engineering and Physics faculties. His main interest is in Astroparticle and Particle Physics. He has more than 130 citable papers (published or arXiv).

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