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”Measurement of the CR light component primary spectrum”

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The ARGO-YBJ experiment, located at Yangbajing Cosmic Ray Laboratory (Tibet, 4300 m a.s.l., 606 g/cm^2) has an high segmentation that allows the detection of air showers with greater granularity and lower energy threshold than other EAS-arrays. The spectrum of the primary Cosmic Rays light (p+He) component in the energy range $\sim 10 - 100 \text{ TeV}$ is measured selecting vertical showers with the reconstructed core position located in a $40 \times 40 \text{ m}^2$ fiducial area. The results are compared with other measurements carried out with direct methods.

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