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Cosmic-ray muon flux measurements in Belgrade low-level laboratory

Abstract content

We report results of cosmic-ray muon flux measurements in the Belgrade low- level laboratory (geographic latitude 44051'N, vertical geomagnetic rigidity cut-off 5.3GV). Continuous measurements are performed from 2002 to 2006 at ground level (78m a.s.l) and in the underground low-level laboratory (25m.w.e). At the ground level the average muon flux is found to be 1.6(1) x 10-2 s-1cm-2 and vertical intensity 1.0(1) x 10-2 s-1cm-2sr-1, while for the underground location the results are 4.5(2) x 10-3 s-1cm-2 and 2.5(2) x 10-3 s-1cm-2sr-1, respectively.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

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