COSMIC RAY ASYMPTOTIC DIRECTIONS FOR YANGBAJING (TIBET) EXPERIMENTS

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Using the International Geomagnetic Field model for Epoch 1995.0 (IGRF 95) we have made a particle access study for the Yangbajing experiments located in Tibet (30° 06’ 38” N – 90° 31’ 50” E, 4300 m a.s.l.). Asymptotic directions and cutoff rigidities were calculated for the 100.00 – 4.10 GV rigidity interval for the following directions: vertical (zenith = 0°); and zenith angles 15° and 30° for 8 azimuthal directions: (0°, 45°, 90°, 135°, 180°, 225°, 270°, 315° and 360°). We discuss the calculated particle asymptotic directions and we illustrate their possible use by the cosmic ray scientific community.