

PRIMARY PROTON FLUX AROUND THE "KNEE" REGION DEDUCED FROM THE OBSERVATION OF AIR SHOWERS ACCOMPANIED BY GAMMA FAMILIES

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We operated a hybrid experiment which consists of emulsion chambers and the Tibet II air shower arrays at Yangbajing (4,300 m a.s.l., 606 g/cm²) in 1996-1998. The total area of emulsion chamber (EC) and burst detector (BD) complex is 80 m² and they are set up near the center of the Tibet II array. We already published the primary proton flux in the energy range from 2×10^{14} eV to 10^{15} eV using BD data. At this conference, we will present the result of the proton flux around the knee energy region obtained from the analysis of gamma families accompanied by air showers.