THE ARRIVAL TIME DISTRIBUTION OF EAS AT TARO

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The arrival time distribution of EAS has been observed since 1995 at Taro cosmic ray laboratory (200m above sea level). The EAS arrays consist of 1m^2 and 0.25m^2 scintillation detectors, 0.25m^2 fast timing counters and ultra fast Cherenkov detectors (UFC). 169 0.25m^2 scintillation detectors are arranged in a lattice configuration with a unit distance of 1.5m.
UFC is placed at 20m from the center of lattice array. The arrival time distribution has been analyzed with distance from EAS core (r=10-60m). One of the results shows that the radius of corvature increases as shower size (Ne), near to the EAS core.