

THE ACCEPTANCE OF FLUORESCENCE DETECTORS TO QUASI HORIZONTAL SHOWERS INDUCED BY WEAKLY INTERACTING PARTICLES

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We estimate the acceptance of the fluorescence detectors to atmospheric showers with zenith angles larger than 60 degrees, which penetrates deeply into the atmosphere. This class of showers have the signature of UHE (Ultra High Energy) neutrinos. We have used a fast simulation version of FDSIM to study the behaviour of this class of detectors and give a lower bound to the acceptance.