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# 30th International Cosmic Ray Conference

## Monday 09 July 2007

### HE 3.1 - Yucatan II+III+IV (Fiesta Americana) (12:05-13:30)

time	title	presenter
12:05	The string percolation model and the interpretation of cosmic ray data above $10^{17}$ eV	ALVAREZ-MUNIZ, Jaime
12:17	Measurement of attenuation lengths of hadrons in air showers	HOERANDEL, Joerg
12:29	Proton-air inelastic cross section measurement with ARGO-YBJ	DE MITRI, Ivan
12:41	On the relation between the proton-air cross section and fluctuations of the shower longitudinal profile	ENGEL, Ralph
12:53	Pion production in proton- and pion-carbon collisions at 12 GeV/c measured with HARP	ENGEL, Ralph
13:05	Proton-air Inelastic Cross-Section Measurement at Ultra-High Energies	BELOV, Konstantin
13:17	Influence of hadronic interaction models on the muon multiplicity distribution of air showers observed with the GRAPES-3 experiment at Ooty	TANAKA, Hideki