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Measurement of cosmic rays with emulsion chambers in water

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Nuclear emulsion films packed in aluminum laminated sheet were installed in a 2.9m-deep-pool. We observed cosmic rays for 13 days, and then calculated the muon flux up to about 600 MeV.

In this session, we would like to discuss the measurement results of muon flux by comparing with the measurement data of BESS and the simulated data by PHITS, with considering the systematic errors from the contamination of electrons and the circumstances during observation.

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