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An Analysis of the Muon-Like Events as the Fully Contained Events in the Super-Kamiokande through the Computer Numerical Experiment

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Abstract content

We analyze the muon-like Events (single ring image) in the Super-Kamiokande (SK) by the Computer Numerical Experiment. Assuming the parameters of the neutrino oscillation obtained by the SK which characterize the type of the neutrino oscillation, we reproduce the zenith angle distribution of the muon-like events and compare it with the real distribution obtained by the SK . Also, we carry out the L/E analysis of the muon-like events by the Computer Numerical Experiment and compare it with that by the SK.

If this papers is presented for a collaboration, please specify the collaboration

Summary

Reference

Proceedings of the 30th International Cosmic Ray Conference; Rogelio Caballero, Juan Carlos D'Olivo, Gustavo Medina-Tanco, Lukas Nellen, Federico A. Sánchez, José F. Valdés-Galicia (eds.); Universidad Nacional Autónoma de México, Mexico City, Mexico, 2008; Vol. 5 (HE part 2), pages 1287-1290

Primary author(s) : Prof. KONISHI, Eiichi (Department of Electronics and Information Technology, Hirosaki University)

Co-author(s): Dr. GALKIN, V.I. (Department of Physics Moscow state University); Prof. MI-NORIKAWA, Y. (Department of Sience, Kinki University); Prof. ISHIWATA, M. (Department of Physics, Saitama University); Dr. NAKAMURA, I. (Department of Physics, Saitama University); Prof. TAKAHASHI, N. (Department of Advanced Physics, Hirosaki University); Dr. KATO, M. (Kyowa Interface Sicence Co.Ltd., Japan); Prof. MISAKI, A. (Advanced Research Institute for Science and Engineering, Waseda Uiversity)

Presenter(s) : Prof. KONISHI, Eiichi (Department of Electronics and Information Technology, Hirosaki University)

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