

Modeling of the high-energy galactic cosmic-ray anisotropy

M. Amenomori¹, X. J. Bi², D. Chen³, S. W. Cui⁴, Danzengluobu⁵, L. K. Ding², X. H. Ding⁵, C. Fan⁶, C. F. Feng⁶, Zhaoyang Feng², Z. Y. Feng⁷, X. Y. Gao⁸, Q. X. Geng⁸, Q. B. Gou², H. W. Guo⁵, H. H. He², M. He⁶, K. Hibino⁹, N. Hotta¹⁰, Haibing Hu⁵, H. B. Hu², J. Huang², Q. Huang⁷, H. Y. Jia⁷, L. Jiang^{2,8}, F. Kajino¹¹, K. Kasahara¹², Y. Katayose¹³, C. Kato¹⁴, K. Kawata³, Labaciren⁵, G. M. Le¹⁵, A. F. Li⁶, H. C. Li^{2,4}, J. Y. Li⁶, C. Liu², Y.-Q. Lou¹⁶, H. Lu², X. R. Meng⁵, K. Mizutani^{12,17}, J. Mu⁸, K. Munakata¹⁴, H. Nanjo¹, M. Nishizawa¹⁹, M. Ohnishi³, I. Ohta²⁰, S. Ozawa¹², T. Saito²¹, T. Y. Saito²², M. Sakata¹¹, T. K. Sako¹³, M. Shibata¹³, A. Shiomi²³, T. Shirai⁹, H. Sugimoto²⁴, M. Takita³, Y. H. Tan², N. Tateyama⁹, S. Torii¹², H. Tsuchiya²⁵, S. Udo⁹, B. Wang², H. Wang², Y. Wang², Y. G. Wang⁶, H. R. Wu², L. Xue⁶, Y. Yamamoto¹¹, C. T. Yan²⁶, X. C. Yang⁸, S. Yasue²⁷, Z. H. Ye²⁸, G. C. Yu⁷, A. F. Yuan⁵, T. Yuda⁹, H. M. Zhang², J. L. Zhang², N. J. Zhang⁶, X. Y. Zhang⁶, Y. Zhang², Yi Zhang², Ying Zhang^{2,7}, Zhaxisangzhu⁵, and X. X. Zhou⁷

(The Tibet AS γ Collaboration)

¹Department of Physics, Hirosaki University, Hirosaki 036-8561, Japan

²Key Laboratory of Part. Astrophys., Inst. of High Energy Physics, Chinese Academy of Sciences, Beijing 100049, China

³Institute for Cosmic Ray Research, University of Tokyo, Kashiwa 277-8582, Japan

⁴Department of Physics, Hebei Normal University, Shijiazhuang 050016, China

⁵Department of Mathematics and Physics, Tibet University, Lhasa 850000, China

⁶Department of Physics, Shandong University, Jinan 250100, China

⁷Institute of Modern Physics, SouthWest Jiaotong University, Chengdu 610031, China

⁸Department of Physics, Yunnan University, Kunming 650091, China

⁹Faculty of Engineering, Kanagawa University, Yokohama 221-8686, Japan

¹⁰Faculty of Education, Utsunomiya University, Utsunomiya 321-8505, Japan

¹¹Department of Physics, Konan University, Kobe 658-8501, Japan

¹²Research Institute for Science and Engineering, Waseda University, Tokyo 169-8555, Japan

¹³Faculty of Engineering, Yokohama National University, Yokohama 240-8501, Japan

¹⁴Department of Physics, Shinshu University, Matsumoto 390-8621, Japan

¹⁵National Center for Space Weather, China Meteorological Administration, Beijing 100081, China

¹⁶Physics Department and Tsinghua Center for Astrophysics, Tsinghua University, Beijing 100084, China

¹⁷Saitama University, Saitama 338-8570, Japan

¹⁸Advanced Media Network Center, Utsunomiya University, Utsunomiya 321-8585, Japan

¹⁹National Institute of Informatics, Tokyo 101-8430, Japan

²⁰Sakushin Gakuin University, Utsunomiya 321-3295, Japan

²¹Tokyo Metropolitan College of Industrial Technology, Tokyo 116-8523, Japan

²²Max-Planck-Institut für Physik, München D-80805, Deutschland

²³College of Industrial Technology, Nihon University, Narashino 275-8576, Japan

²⁴Shonan Institute of Technology, Fujisawa 251-8511, Japan

²⁵RIKEN, Wako 351-0198, Japan

²⁶Institute of Disaster Prevention Science and Technology, Yanjiao 065201, China

²⁷School of General Education, Shinshu University, Matsumoto 390-8621, Japan

²⁸Center of Space Science and Application Research, Chinese Academy of Sciences, Beijing 100080, China



Correspondence to: T. K. Sako
(tsako@icrr.u-tokyo.ac.jp)