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Research fields :

Information Education

Particle Physics

Key Words:

Information Education

High Energy Physics Phenomenology

Robotics Programming

Subject of research on Data Science :

Instructional Design for Data Science Education in Higher Education: A Framework for Practical Competency Development

1. Takuya Mizoguchi, Seiji Matsumoto, Minoru Biyajima, "Analysis of the L3 BEC at Z0-pole: Comparison of the conventional formula against the τ-model", International Journal of Modern Physics A, 40 (04), 2025.

2. Takuya Mizoguchi, Seiji Matsumoto, and Minoru Biyajima, "Two-component model description of Bose-Einstein correlations in pp collisions at 13 TeV measured by the CMS Collaboration at the LHC", Physical Review D, 108, 056014. 2023.

3. Takuya Mizoguchi, Seiji Matsumoto, Minoru Biyajima, "Analysis of OPAL Bose–Einstein correlation at Z0-pole by the second conventional formula", International Journal of Modern Physics A, 37(25), 2250148, 2022.

4. Seiji Matsumoto, "Introduction to Robotics Programming with Python" (a Japanase book), Diggtag Co., Ltd., ISBN 978-4-9911-5610-6.

5. Jiro Suzuki and Seiji Matsumoto, "Introductory Python learning using LEGO Mindstorms EV3" (in Japanese), CIEC, Proceedings of the 2021 PC Conference, pp. 38-41.

6. Jiro Suzuki and Seiji Matsumoto, "The Use of the Debian Live System in Higher Education: Practical Applications" (in Japanese),