

Contents

Editorial

- The Science Poster, Reimagined
by Jesse Abney, Monika Stachura, and Oliver Stelzer-Chilton 3

Laboratory Portrait

- Department of Nuclear Physics, Institute of Physics, Slovak Academy of Sciences
by Martin Venhart and Andrej Herzán 6

Feature Article

- Progress of Underground Nuclear Astrophysics Experiment JUNA in China
by W. P. Liu, B. C. Cui, B. S. Gao, B. Guo, J. J. He, Y. C. Jiang, Z. H. Li, G. Lian, Y. P. Shen, J. Su, L. T. Sun, X. D. Tang,
L. Y. Zhang and the JUNA Collaboration 10

Impact and Applications

- Polymers Under Ionizing Radiations: Concepts and Applications
by Yvette Ngono and Muriel Ferry 14
- Cold and Safe in Space: Enhanced Radio-Resistance Induced by Hibernation
by M. Cerri and M. Negrini 20
- European Air Radioactivity Monitoring and the Involvement of Nuclear Physics Groups
by Begoña Quintana-Arnés and Daniel Zapata-García 23

Meeting Reports

- Rendez-Vous In Busan for SQM2022: Long Time, No See!
by In-Kwon Yoo 27
- Direct Reactions with Exotic Beams in Santiago de Compostela, Spain: DREB2022
by Dolores Cortina Gil, Maria Borge and Antonio Moro 28
- 10th International Workshop on “Quantum Phase Transitions in Nuclei and Many-Body Systems”
by D. Vretenar and A. Leviatan 30
- 28th International Nuclear Physics Conference
by Faical Azaiez Mathis Wiedeking 31
- The 5th European Nuclear Physics Conference 2022 (EuNPC 2022)
by Dolores Cortina Gil 33

News and Views

- Facility for Rare Isotope Beams Opened for Science with Ribbon Cutting on 2 May 2022
by Brad Sherrill 35

In Memoriam

- In Memoriam: Fujia Yang (1936–2022)
by Yu-Gang Ma, Hao Shen, and Ya-Ming Zou 37
- In Memoriam: Peter Schuck (1940–2022)
by Peter Ring and G. Roepke 38
- In Memoriam: Ricardo Americo Broglia (1939–2022)
by Thomas Døssing and Enrico Vigezzi 39
- Calendar 40

Cover Illustration: The Tandetron® accelerator laboratory of the Institute of Physics, Slovak Academy of Sciences in Piešťany, Slovakia – see article on page 6