

europhysicsnews

THE MAGAZINE OF THE EUROPEAN PHYSICAL SOCIETY

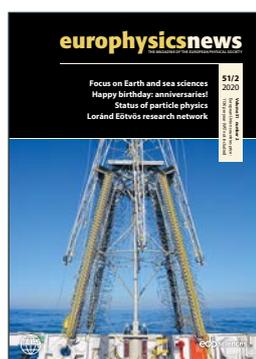
Focus on Earth and sea sciences
Happy birthday: anniversaries!
Status of particle physics
Loránd Eötvös research network

51/2
2020

Volume 51 • number 2
European Union countries price:
113€ per year (VAT not included)



 **e sciences**



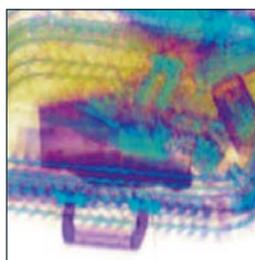
euromphysicsnews

Cover picture: Unique structure for deep-sea oceanographic research. Lines with hundreds of high-resolution temperature sensors are attached to the arms that will spread out after over-boarding before descending to the seabed. Picture credit: Louis Gostiaux



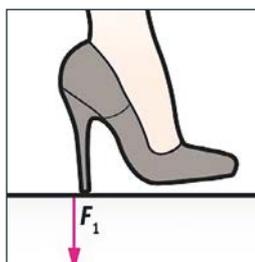
▲ PAGE 10

10 years of EPS Young Minds



▲ PAGE 14

Scanning geophysical hazards



▲ PAGE 29

Education: defining physical quantities

EPS EDITORIAL

- 03 In times of coronavirus
Petra Rudolf and Els de Wolf

IN THE SPOTLIGHTS

- 04 Early Career Researcher Prize 2019 of the EPS European Solar Physics Division
06 175 years German Physical Society Physics for and in Society
07 Building a neutrino telescope in Europe
08 JENAS - Astroparticle, nuclear and particle physicists meet
09 Artificial Intelligence finds a heliocentric representation of the solar system

YOUNG MINDS

- 10 Celebrating 10 years of EPS Young Minds

HIGHLIGHTS

- 12 Chimera states are fragile under random links
Spinning quantum dots
13 Laser-based prototype probes cold atom dynamics
Nano amorphous Interfaces in phase-change memory materials
mm Universe @ NIKA2 Conference Proceedings

FEATURES

- 14 Scanning geophysical hazards
James Baker
17 Deep Mediterranean turbulent convection
Hans van Haren
20 Carbon capture and storage: making fossil fuels great again?
Berend Smit and Susana Garcia
23 Status of particle physics
Zoltán Trócsányi
26 30 years of moving individual atoms
Christopher Lutz and Leo Gross
29 Education: defining physical quantities for upper secondary school students
David Sands and Daniel Heanes

COLUMN

- 32 Loránd Eötvös and Hungary's restructured research network
Jenő Sólyom