

The 2015 High Energy and Particle Physics Prize

for an outstanding contribution to High Energy Physics

is awarded to

James D. Bjorken

"for his prediction of scaling behaviour in the structure of the proton that led to a new understanding of the strong interaction"

and to

Guido Altarelli, Yuri L. Dokshitzer, Lev Lipatov, and Giorgio Parisi

"for developing a probabilistic field theory framework for the dynamics of quarks and gluons, enabling a quantitative understanding of high-energy collisions involving hadrons"



The 2015 Giuseppe and Vanna Cocconi Prize,

for an outstanding contribution to Particle Astrophysics and Cosmology in the past 15 years

is awarded to

Francis Halzen

"for his visionary and leading role in the detection of very high-energy extraterrestrial neutrinos, opening a new observational window on the Universe"



The 2015 Gribov Medal

for outstanding work by a young physicist in Theoretical Particle Physics and/or Field Theory

is awarded to

Pedro G. Vieira

"for his groundbreaking contributions to the determination of the exact spectrum of anomalous dimensions of N=4 supersymmetric Yang-Mills theory and scattering amplitudes, for any interaction strength"



The 2015 Young Experimental Physicist Prize

for outstanding work by one or more young physicists in the field of Particle Physics and/or Particle Astrophysics

is awarded to

Jan Fiete Grosse-Oetringhaus

"for his outstanding contributions to the investigation of particle collisions at the LHC through the analysis of jet quenching and multiparticle correlations in the ALICE experiment"

and to

Giovanni Petrucciani

"for his outstanding contributions to the optimisation of the tracking in the CMS detector, the Higgs boson discovery and the measurements of its properties"



The 2015 Outreach Prize

for outstanding outreach achievement connected with High Energy Physics and/or Particle Astrophysics

is awarded to

Kate Shaw

"for her contributions to the International Masterclasses and for her pioneering role in bringing them to countries with no strong tradition in particle physics"