

Nikolai Maksimovich Shumeiko 1942-2016

On 15 June, Nikolai Maksimovich Shumeiko passed away at the age of 73, having been an outstanding scientist who was a member of the JINR Scientific Council and head of the Centre of Particle Physics and High Energy Physics of the Institute of Nuclear Problems.



Shumeiko

Shumeiko was born on 22 September 1942 in Dubrovno, Belarus, and in 1966 he graduated in physics from Moscow State University. From 1970, he worked at Belarusian State University (BSU) at the physics department, at the Institute of Nuclear Problems BSU, and from 1993 he worked at the National Scientific and Educational Centre of Particle Physics and High Energy Physics, BSU, which was founded on his initiative.

He made a fundamental contribution to the universal covariant approach (the “Bardin-Shumeiko” method) to account for radiative corrections in observed values of particle interactions. Other research interests included spin physics. He was deeply involved in the design and production of important calorimetric, muon and magnetic subsystems for the CMS and ATLAS detectors at the LHC. Shumeiko was the founder of a scientific school in particle physics in Belarus and author of more than 600 papers, with an impressive Hirsch index of 54. For many years, he was responsible for the cooperation of scientific institutes and industrial enterprises in the Republic of Belarus with leading scientific centres such as JINR and CERN, and he was an official representative of the Republic of Belarus in many large experimental collaborations, including CMS, ILC and CLIC.

Shumeiko won several awards for his research and organisational activities, among them the Francysk Skaryna Medal, the Order of Friendship of the Russian Federation, Honorary Certificate of the Council of Ministers of the Republic of Belarus, and the Academician F Fedorov Prize of NAS Belarus.

Nikolai Shumeiko was a wonderful man whose unique talent, profound knowledge and exceptional diligence for many years served the basis for the national development of elementary particle physics. He led dozens of young people to science, and his competence, honesty and self-discipline were always a bright example for us.

- *The JINR directorate, scientific community of the Institute of Nuclear Problems BSU, pupils and friends.*