

Igor Nikolaevich Ivanov 1938-2003

On 1 March Igor Nikolaevich Ivanov, deputy director of the Laboratory of Particle Physics of the Joint Institute for Nuclear Research (JINR), died. Since 1959, when he first arrived in Dubna as a student of theoretical physics at Voronezh University, his life had been intimately connected with JINR.

From 1969, Ivanov worked with a group on the theoretical basis for a new collective method of acceleration, which had been suggested by Vladimir Veksler. Ivanov obtained important theoretical results on the stability and focussing of the electron ring, and on relativistic effects in the screened high-current beams.

In his last decade, he contributed much to the LHC, TESLA and CLIC projects, and to the development of an ecological accelerator. Under his guidance, and in close contact with specialists from CERN, activities were started on the development of the LHC transverse oscillation damping system, with a tremendous amount of work put in, from design to the industrial prototype. At present, the construction of the system is in its final stage.

Ivanov also devoted much time and effort to training young scientists. He lectured on accelerator subjects to students, and was the initiator and organizer of seminars and schools for young scientists.