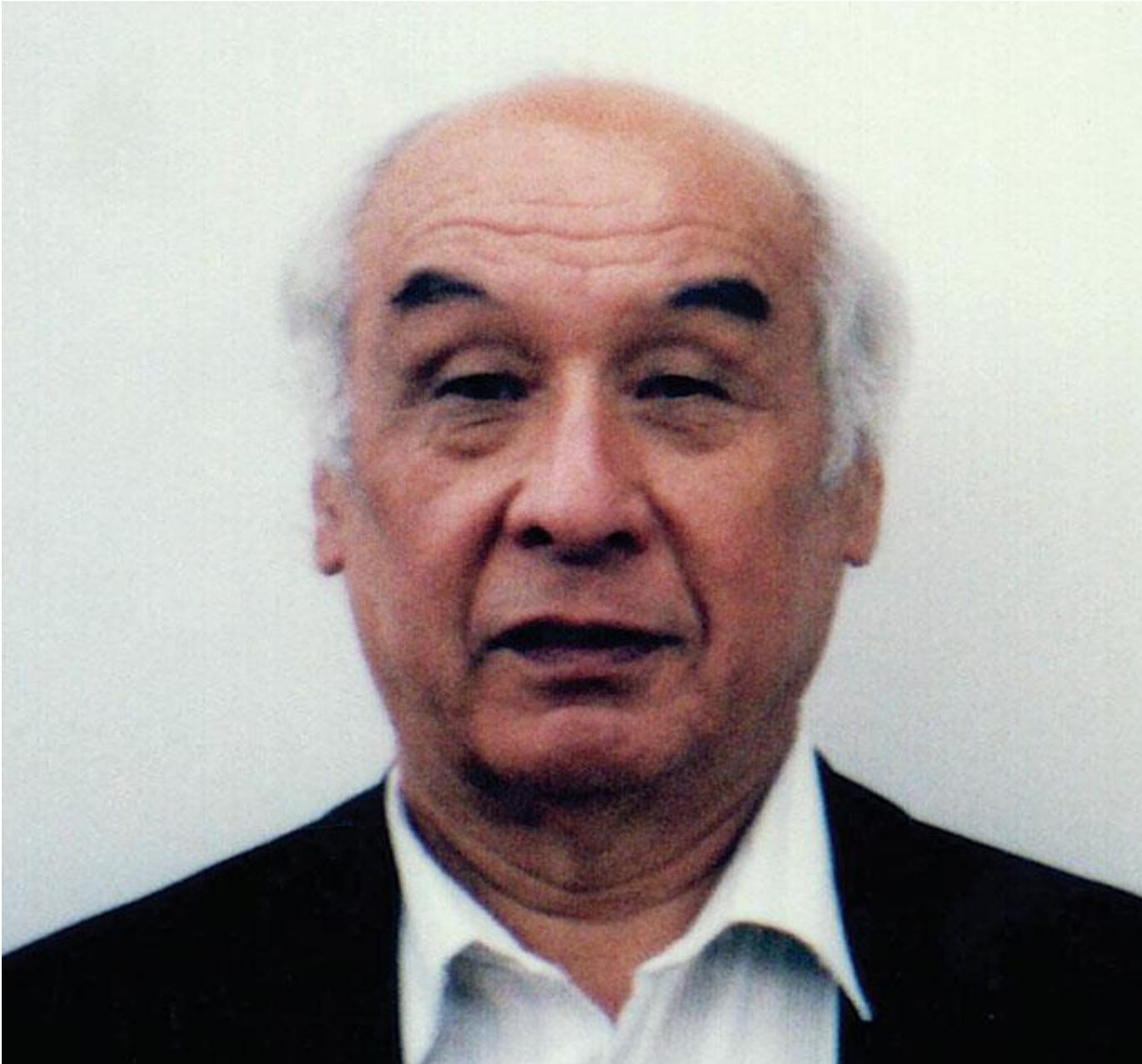


## Sandibek Nurushev 1932–2018



[Sandibek Nurushev](#)

Prominent Russian scientist Sandibek Baitemirovich Nurushev passed away on 16 February after a long disease. Nurushev was born on 25 December 1932 and graduated in physics from Moscow Engineering Physics Institute (MEPhI) in 1955, after which he started to work at JINR in Dubna. From the first days he took an active part in the creation of the first polarised proton beam at the JINR synchrocyclotron and in the earliest studies of spin effects in the interaction of protons with atomic nuclei. Nurushev defended his PhD in 1963.

From 1964 up until the last days of his life, he worked at the Institute of High Energy Physics (IHEP) in Protvino.

Nurushev was the father of experimental spin-physics in Russia. With the use of his ideas and under his leadership, many spin experiments were carried out both in Russia and abroad. He was

the spokesperson of the first Russian–French polarisation experiment, HERA, at the U-70 accelerator in Protvino in the early 1970s and also of several other spin experiments there.

He was an exceptionally bright figure in the E581 and E704 experiments in Fermilab during the 1980s and 1990s, using polarised proton and antiproton beams with energies near 200 GeV in spin studies, as well as in the spin programme at STAR and the E925 polarisation experiment at Brookhaven National Laboratory. Nurushev left more than 550 scientific papers to his colleagues and followers, many of which added to our understanding of the structure of matter. Those who worked with him, who knew and loved him, will continue his work and develop his ideas.

For many years Nurushev was engaged in teaching activities at MEPHI, and he encouraged many students to deal with polarisation effects and spin physics. He is the author of a textbook on polarisation phenomena and in 1990 was awarded the title of professor in high-energy physics. He also actively participated in the work of the international spin community.

Nurushev died peacefully at home in Protvino, leaving his wife, three children, several grandchildren and great-grandchildren. His last words to his granddaughter a few minutes before his death were: “I fulfilled my programme. I leave, I am satisfied”. Sandibek Nurushev will forever live in our memories.

- *His numerous colleagues and students at IHEP and MEPHI.*