In the period 1970–1986, the Meson Physics Laboratory took part in the creation of a μ-channel of the PNPI synchrocyclotron and in performing investigations of matter by the method of muon spin rotation. During these years, about 50 papers were published in the μSR field. The investigations were done at the PNPI μ-channel in cooperation with the Russian National Center "Kurchatov Institute" (two groups), the Institute for Theoretical and Experimental Physics, Moscow Physical-Technical Institute, Moscow Institute of Engineering Physics, Laboratory of Nuclear Problems of the Joint Institute for Nuclear Research, the Belorus' State University.