

FOREWORD



This booklet contains the most significant results of the scientific cooperation of the Joint Institute for Nuclear Research and the Hungarian Academy of Sciences accomplished during the last three years.

After the JINR membership of Hungary was discontinued in 1993, a new scheme of cooperation was introduced in 1995. This scheme was based on medium-term contracts between the two parties: a sort of 'associate JINR membership' of the former member. Hungary's admittedly strongly reduced financial contribution to the JINR budget is now concentrated on three main subjects, viz. condensed matter studies with neutron scattering, heavy-ion implantation to solids and theoretical nuclear and heavy-ion physics.

Although the idea of the medium-term contracts turned out to be quite efficient, some details had to be changed, and the last contract for 2002 - 2004 was already concluded in terms of a somewhat modified scheme. Indeed, half of the Hungarian contribution is being used for the development of the JINR research infrastructure in neutron and heavy-ion physics while another half is the source of bilateral cooperation projects

concluded between JINR and HAS scientists. This scheme entitles all Hungarian scientists to apply for beamtime at the IBR-2 pulsed reactor and at the U-400 heavy-ion accelerator. Granting beamtime is subject to the usual JINR international peer-reviewing system. Once beamtime has been granted, its infrastructural and mobility costs are covered by JINR and HAS, respectively.

We believe, the reader of this booklet will be convinced that the results of the cooperation are of internationally high caliber and that, consequently, the cooperation contract is worth being extended for the next period.

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