

PREFACE

The XXth Russian Conference on Charged Particle Accelerators (RuPAC–2006) was hosted by Budker Institute of Nuclear Physics (Russia, Novosibirsk). It took place in the Conference Hall of BINP from September 10 to 14, 2006. The Conference was conducted thanks to the sponsorship of the Federal Agency of Atomic Energy of the Russian Federation, Federal Agency of Science and Innovations of the Russian Federation, “Dynasty” foundation (of Dmitry Zimin), Russian Foundation for Basic Research (RFBR), S7 Airlines and TENEX (Techsnabexport) company. The organizers of RuPAC 2006 are grateful to all sponsors for their valuable support.

The Scientific Program was organized by the RuPAC 2006 Scientific Program Committee chaired by A.N. Skrinsky, BINP, Novosibirsk. The Conference lasted four days; the poster session took place simultaneously with the Conference. 64 oral presentations and 116 posters were presented; there were 27 Foreign participants, 56 from Russian Federation and CIS, 7 from Novosibirsk (except BINP) and about 140 participants from Budker INP, i.e. about 230 in total. The foreign participants were from the USA (Muons. Inc., FNAL, ORNL, Jefferson Laboratory, BNL), Republic of Korea (EB Tech), Germany (Forschungszentrum Juelich GmbH, GSI, Leibniz Institute of Polymer Research, DELTA, Dortmund University), Canada (CLS), China (Institute of Modern Physics), Switzerland (CERN), Italy (LNF INFN), the Ukraine (NSC KIPT Kharkov, Institute of Applied Physics, Kiev), Belarus (BSU IAPP, BSU RINP), Poland (INCT), the UK (RHUL, CCLRC) and also from Dubna, Kiev, Kharkov, Moscow, Minsk, Novosibirsk, Obninsk, Protvino, Rostov, St.-Petersburg, Tomsk and Troitsk.

The main medium for the proceedings of this conference is publication on JACoW site (www.jacow.org). There will be no hard copies. The processing of the electronic files of contributions during and after the Conference was achieved by the joint BINP and JINR editorial team.

The success of the RuPAC 2006 Conference can be attributed to the efforts of SPC chaired by A.N. Skrinsky, SPC vice-chair I.N. Meshkov, OC chaired by V. V. Parkhomchuk, OC vice-chair E.B. Levichev, secretary of OC T.V. Rybitskaya, Scientific secretary of both SPC and OC M. V. Petrichenkov, and Technical OC team chaired by M.V. Kuzin, including F.A. Emanov responsible for the Conference web-site and data base.

M.V. Petrichenkov, Scientific Secretary of RuPAC 2006 Scientific Program and Organizing Committees.