

Production, Uses and Needs of Atomic and PMI Data for Nuclear Fusion Research in Russia

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An update on the activities carried out in Russia during the past two years on atomic and plasma-material interaction (PMI) data will be presented. The overview covers the newest results obtained at Peter the Great St.Petersburg Polytechnic University, Ioffe Institute, P.N. Lebedev Physical Institute, NRC Kurchatov Institute, Moscow Engineering Physics Institute, Novosibirsk State University, and G.I. Budker Institute of Nuclear Physics. The main emphasis is on the works in support of ITER diagnostics to be delivered by the Russian Federation, as well as the activities in the framework of the Russian Federal project on fusion and plasma technologies. Online databases and Russian topical conferences will also be overviewed.