

Central, South & Eastern Europe ADS Initiative and Cooperation with Indian Universities

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Abstract

Talk would like to inform the audience about the joint activity of universities and research institutes from the Czech Republic, Slovakia, Poland, Belarus, Ukraine, Serbia, Moldova, Bulgaria, Romania, Greece, and Armenia in the field of ADS, accelerator driven neutron sources, fast neutrons nuclear data measurement, etc. The cooperation is based on past projects held in JINR Dubna, however, the present cooperation is focused on utilization mainly of our own experimental resources which are available in mentioned countries. There are quite old – but well-working – electron and proton accelerators in Armenia, Ukraine, Czech Republic, and other states; but there are also new facilities in EU states – Slovakia, Czech Republic, Romania, Poland, even in Armenia. There are quasi-monoenergetic neutron sources available for XS measurement, as well as “pilot” ADS facilities like YALINA in Belarus and KIPT electronuclear facility in Ukraine. Cooperation with several Indian universities has been established – focused on XS determination and radiation damage research. It opens us access to other experimental facilities there. The significance of such activity and possible future cooperation within the EU should be discussed.