

### Bilateral projects – scientific cooperation with JINR for 2018

No.	Romania		JINR		Topic No.	Title
	Leader	Institution	Leader	Institution		
1	Banciu C.	ICPE-CA	Jazdzewska M.	FLNP	04-4-1121-2015/2020	Obtaining and characterization of 3D graphene/ZnO composite networks
2	Cirstea D.	ICPE-CA	Balagurov A.M.	FLNP	04-4-1121-2015/2020	The role of precipitates and oxides in shape memory materials
3	Codescu M., Chicea D.	ICPE-CA, Univ. Sibiu	Nikitenko Yu.	FLNP	04-4-1121-2015/2020	Co-based magnetic nanostructured materials with potential space applications – synthesis and complex characterisation
4	Codescu M., Chicea D.	ICPE-CA, Univ. Sibiu	Nikitenko Yu.	FLNP	04-4-1121-2015/2020	Advanced structural and magnetic investigations on FeCo/Al <sub>2</sub> O <sub>3</sub> nanocomposites for novel soft magnetic materials for high frequency applications
5	Dobrin I.	ICPE-CA	Kostromin S.	VBLHEP	02-0-1065-2007/2019	Consultancy for serial production of the superconducting corrector magnets and cryogenic tests
6	Dobrin I.	ICPE-CA	Kulikov S.A.	FLNP	04-4-1122-2015/2020	New complex superconducting magnet generating 6T for neutrons spectroscopy aims
7	Dobrin I.	ICPE-CA	Ladygin V.	VBLHEP	02-1-1097-2010/2018	Detector development for spin and polarimetry studies at Nuclotron / NICA
8	Hristea G.	ICPE-CA	Culicov O.	FLNP	03-4-1128-2017/2019	Impurities in graphene like materials
9	Ion I.	ICPE-CA	Kuklin A.I.	FLNP	04-4-1121-2015/2020	Study of nanomaterials biosynthesized
10	Ion I.	ICPE-CA	Tyutyunnikov S.	VBLHEP	02-1-1107-2011/2019	Study of nanofluids for jumping innovation
11	Manta E., Patroi E.A.	ICPE-CA	Bokuchava G.	FLNP	04-4-1121-2015/2020	Neutron scattering studies of residual stress and texture in soft magnetic materials used in electrical engineering
12	Patroi D.	ICPE-CA	Nikitenko Yu.	FLNP	04-4-1121-2015/2020	Investigation of crystalline and magnetic structures in rare-earth free magnetic materials
13	Patroi E.	ICPE-CA	Nikolayev D.	FLNP	04-4-1121-2015/2020	Complex structural characterization for the recycled Nd-Fe-B permanent magnets from WEEE
14	Setnescu R.	ICPE-CA	Kulikov S.A.	FLNP	04-4-1121-2015/2020	Cold neutron moderator development at IBR-2 reactor FLNP JINR