

Strong interaction studies in antiproton annihilation (SISTINA)

- 2020 Annual Summary Document for the ISAB FAIR-RO-

1.1 Group list (physicists, staff, postdocs, students):

Name	Position
Petre-Constantin BOBOC	Physicist (Research Assistant) – IFIN-HH, <i>Master Student</i>
Alexandru-Mario BRAGADIREANU	Physicist (CS III) – IFIN-HH
Stefan-Alexandru GHINESCU	Physicist (Research Assistant) – IFIN-HH, <i>PhD Student</i>
Ovidiu-Emanuel HUTANU	Engineer - IFIN-HH, <i>Master Student</i>
Alina MOTORGA	Project accountant - IFIN-HH

1.2 Specific scientific focus of group (state physics of subfield of focus and group's role);

Physics subfields: QCD bound states, Hypernuclear Physics.

Taking into account the expertise of our group (ATLAS, EXCHARM, FOCUS, DEAR and SIDDHARTA experiments) we expressed our interest in the measurements dedicated to charmonium and exotic states and in the Hypernuclear Physics with emphasis on Ξ^- atoms were our experience in detecting X-rays coming from transitions in Kaonic exotic atoms would be beneficial for PANDA Collaboration.

1.3 Summary of accomplishments during the reporting period

Since PANDA experiment is now in Construction phase our short-term objectives, for 2020, were focused on research and development activities for PANDA STT sub-detector and its integration in the PANDA control system.

Accomplishments:

- established the software components to be used for the STT Process Variables Database System;
- decided the hardware configuration and ordered a server and a workstation to be used in the STT Process Variables Database System.

The goals are integration of MRCU v3.0 in the EPICS environment and the realization of STT PV database system.

Financial Report 2020

according to the regulations from H.G. 134/2011

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Type of expenditures		2020
1	PERSONNEL EXPENDITURES , from which:	12,457.00
	1.1. wages and similar income, according to the law	12,183.00
	1.2. contributions related to wages and assimilated incomes	274.00
2	LOGISTICS EXPENDITURES , from which:	0.00
	2.1. capital expenditures	73,542.00
	2.2. stocks expenditures	0.00
	2.3. expenditures on services performed by third parties, including:	0.00
3	TRAVEL EXPENDITURES	0.00
4	INDIRECT EXPENDITURES – (OVERHEADS) *	6,308.00
TOTAL EXPENDITURES (1+2+3+4)		92,307.00

* Specify the rate (%) and key of distribution (excluding capital expenditures).

Indirect Expenditures = General IFIN-HH Overheads (35% from 1+ 2.2 +2.3 +3) + Particle Physics

Department Overheads (15.6382 % from 1)