

Cod proiect FAIR-07/16.11.2020 Contract Nr. 7/2020	Acronim ROCRYDET	Director Proiect Mihai STRATICIUC	Acronim EO IFIN-HH DFNA
Titlu: YAP:Ce Heavy Ions Detector for CRYRING			
Domeniu de CD Cercetare aplicativa	Perioada nov 2020– nov 2023	Sursa de finantare Institutul de Fizică Atomică	
Bugetul: 1.800.000,00 lei	Din care venituri din salarii 2021: 306.355,00 lei		
Scop: - Complete the construction of the YAP scintillator detection system in order to make it fully operational for operating at CRYRING. - Testing of detector behavior and response off-beam and in-beam at CRYRING.			
Obiective O1 – improvements of the scintillator geometry and light read out. Evaluation and realization of UHV compatibility for all components. O2 – preliminary tests for collection efficiency at the 9 MV and 3 MV tandem accelerators at IFIN-HH. O3 – tests and measurements of the detector at CRYRING synchrotron from FAIR. O4 – commissioning the detector at CRYRING.			
Caracter de noutate / inovatie: The realization of the detection system proposed by this project will contribute to better operation of the CRYRING providing appropriate particle detection for the heavy ions in the synchrotron, needed for the proposed scientific objectives of the SPARC collaboration.			
Indicatori de rezultat Publicarea de articole stiintifice in reviste de specialitate de circulatie internationala, participarea la experimente in-beam la FAIR cu scopul testarii detectorului realizat si prezentari la manifestari stiintifice nationale si internationale. Dezvoltarea resursei umane reprezinta de asemenea o componenta esentiala a ROCRYDET, proiect la a carei implementare contribuie un numar de opt doctoranzi.			
Poate fi incadrat ca proiect de cercetare? (opinia directorului de proiect)		DA X	NU

Director Proiect,

dr. Mihai STRATICIUC

Data

9.2.2021