









Title	Period/Length	Supervisor	Team/Service	Pole	See more
Preliminary Studies for the FRØZEN project	10 weeks at least (2021)	<a href="#">Matthieu Lebois</a>	FIIRST	Nuclear	
MSSM-inflation: phenomenological study of a supersymmetric inflation model	2 to 3 months	<a href="#">Sophie Henrot-Versillé</a>	CMB	A2C	
Development of Artificial Intelligence algorithms for Higgs Boson physics <b>Closed for spring/summer 2021.</b> <b>Possibilities for later dates.</b>	6 weeks to 6 months	<a href="mailto:david.rousseau@ijclab.in2p3.fr">david.rousseau@ijclab.in2p3.fr</a>	ATLAS	PHE	
Development and calibration of cryogenic detectors for the RICOCHET and EDELWEISS experiments.	3 months or more	<a href="#">Stefanos Marnieros</a>	ASSD	A2C	
Observational scheduling and Physics of the Violent Universe in the framework of the GRANDMA-LSST/FINK collaboration <b>Closed</b>	More than 3 months	<a href="#">Nicolas Leroy</a> <a href="#">Julien Peloton</a>	OG	A2C	
Infrastructure for catching Gravitational Wave events and listening to the Violent Universe in the framework of the international GRANDMA collaboration <b>Closed</b>	3 months or more	<a href="#">Nicolas Leroy</a> <a href="#">Patrice Hello</a>	OG	A2C	
Fast luminosity measurements at the SuperKEKB electron-positron collider at KEK (Tsukuba, Japan)	Minimum 2 months	<a href="#">Philip Bambade</a>	Belle II	PHE	
Study of the $b \rightarrow s l^+ l^-$ modes with missing energy with the Belle II experiment	8 weeks or more according availability of the student (~spring 2021)	<a href="#">Karim TRABELSI</a>	B-factories	PHE	

Theoretical study of thermonuclear DT fusion in a high-power laser field <b>Closed</b>	2021 / 2-3 months	<a href="#">Guillaume Hupin</a>	PhyNet	Nuclear		
Towards IA for nuclear reactions <b>Closed</b>	2021 / 2-3 months	<a href="#">Guillaume Hupin</a>	PhyNet	Nuclear		
Phenomenology of particle physics of flavour to search for signals beyond the Standard Model	2-6 months (2021)	<a href="#">Emi Kou</a>	Theory	Theory		
Gamma ray burst polarization measurement with CubeSat Compton telescope <b>Closed</b>	More than 3 months	<a href="#">Clarisse Hamadache</a> <a href="#">Vincent Tatischeff</a>	AC	A2C		
Trajectory-based quantum tunneling using Bohmian mechanics <b>Closed</b>	2021, 2-3 months	<a href="#">Thomas Czuba</a> <a href="#">Denis Lacroix</a>	PhyNet	Nuclear		
Encoding arbitrary functions into a quantum register for quantum computing purposes <b>Closed</b>	2-3 months	<a href="#">Andres Ruiz</a> <a href="#">Denis Lacroix</a>	PhyNet	Nuclear		
Studies related to the measurement of the W mass with the ATLAS experiment	All periods of 2021	<a href="#">Louis Fayard</a> <a href="#">Zhiqing Zhang</a>	ATLAS	PHE		
Development of a new radiation detector for in-situ dose verification in radiotherapy	2021 (6 months)	<a href="#">Consuelo Guardiola</a>	REV	Health		
Study of the (Brout-Englert-) Higgs boson in the diphoton channel and calibration of the ATLAS electromagnetic calorimeter	All periods of 2021	<a href="#">Louis Fayard</a>	ATLAS	PHE		