

Title	Period/Length	Supervisor	Team/Service	Pole	See more
Test and characterisation of the ATLAS high-granularity timing detector modules for the high-luminosity LHC	6 weeks to 12 weeks	<a href="#">Luca Cadamuro</a>	ATLAS	PHE	<a href="#">see</a>
Study of new physics effects in Higgs boson pair production with the ATLAS detector at the LHC	3 months	<a href="#">Luca Cadamuro</a>	ATLAS	PHE	<a href="#">see</a>
Study of the (Brout-Englert-) Higgs boson in the diphoton channel and calibration of the ATLAS electromagnetic calorimeter	All periods of 2022	<a href="#">Marc Escalier / Louis Fayard</a>	ATLAS	PHE	<a href="#">see</a>
Studies related to the measurement of the W mass with the ATLAS experiment	All periods of 2022	<a href="#">Zhiqing Zhang / Louis Fayard</a>	ATLAS	PHE	<a href="#">see</a>
Study of the pair production of (Brout-Englert-) Higgs boson and calibration of the ATLAS electromagnetic calorimeter	All periods of 2022	<a href="#">Marc Escalier / Louis Fayard</a>	ATLAS	PHE	<a href="#">see</a>
Measurement of $B \rightarrow D(\bar{K}K)$ branching fraction and investigation of the resonant production $B \rightarrow D(\bar{K}a_1)$ at the Belle and Belle II experiments	2-3 months (~spring 2022)	<a href="#">V.Bertacchi/K.Trabelsi</a>	Belle II	PHE	<a href="#">see</a>
Study of the $b \rightarrow s l^+ l^-$ modes with missing energy with the Belle II experiment	3 months (spring 2022)	<a href="#">Vidya Vobbilisetti/Karim Trabelsi</a>	B-factories	PHE	<a href="#">see</a>

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Derivation of mean field potentials in nuclear physics and possible extension to relativistic case <b>Closed</b>	At least 6 weeks (between April and August 2022)	<a href="#">Mercier Florian</a>	PhyNet	Nuclear Phys./theory	see
Synthesis and characterisation of uranium carbide pellets <b>Closed</b>	(march to june) / 4 month	<a href="#">Julien Guillot</a>	FIIRST	Nuclear Phys.	see
Two-species bosonic universal mixtures <b>Closed</b>	From 6 weeks to 3 months - (Dates to be agreed)	<a href="#">Lorenzo Contessi</a>		Nuclear Phys./theory	see

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The neutrino emission from Galactic pevatrons	Minimum 2-3 months	<a href="#">Pierre Cristofari, Vincent Tatischeff</a>	AC	A2C	<a href="#">see</a>