FOLLOW-UP MEETING

Jorge Romero

Jyväskylän Yliopisto

5. huhtikuuta 2021













• Year 1: Oct 2019 - Sep 2020

DUAL DOCTORAL PROGRAMME





• Year 1: Oct 2019 - Sep 2020



• Year 2&3: Sep 2020 - Sep 2022

DUAL DOCTORAL PROGRAMME







- Year 1: Oct 2019 Sep 2020
- Year 4: Oct 2022 Sep 2023*

• Year 2&3: Sep 2020 - Sep 2022





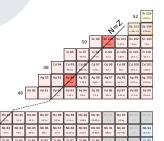


- Year 1: Oct 2019 Sep 2020
- Year 4: Oct 2022 Sep 2023*

Year 2&3: Sep 2020 - Sep 2022

Project

Investigation of exotic nuclei close to the proton drip line using the state-of-the-art MARA-LEB facility.



PHYSICS COURSES



Discipline-Specific Skills

Completed





Discipline-Specific Skills

Completed

5	ليروا	FYSS6320
cr	5	Vacuum Techniques

Starting next year:

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10 FYSS3550
Techniques for Nuclear and Accelerator-based Physics Experiments

5 FYSS3552
Cr Lasers and Traps in Nuclear Physics Studies
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Discipline-Specific Skills

Completed

5 کی د FYSS6320 Vacuum Techniques

Starting next year:

10 FYSS3550
Cr Techniques for Nuclear and Accelerator-based Physics Experiments

5 FYSS3552
Cr Lasers and Traps in Nuclear Physics Studies

Starting next year:

FYSS3470
Cr Introduction to nuclear models and interpretation of experimental data



Discipline-Specific Skills

Completed

5	العادل	■ FYSS6320
cr	5	Vacuum Techniques

Starting next year:



Starting next year:

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FYSS3470
Introduction to nuclear models and interpretation of experimental data
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Physics Credit Total: 24/40 cr

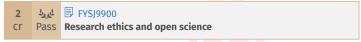


Compulsory course (completed):





Compulsory course (completed):



·Communication Skills Courses

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5 SXSUX1001
Cr My Finnish
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Compulsory course (completed):

2 عليك FYSJ9900 Cr Pass Research ethics and open science

Communication Skills Courses

5 SXSUX1001 Cr My Finnish

Other Competence

O-10 FYSJ9950
Cr Practical Research and Project Work

O-10 FYSJ9920
Cr Scientific Conferences and Schools



Compulsory course (completed):

2 عيدة FYSJ9900 Cr Pass Research ethics and open science

·Communication Skills Courses

5 S XSUX1001 cr My Finnish

Other Competence

0-10 FYSJ9950
Cr Practical Research and Project Work

O-10 FYSJ9920
Cr Scientific Conferences and Schools

Non-Physics Credit Total: Up to 27/40 cr

EXPERIMENT M17



Experiment using MARA in November 2020.

Reactions of interest

40
Ca $(^{58,60}$ Ni, $p3n)^{94,96}$ Ag

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 \Rightarrow Closer Analysis in progress to obtain information on Ag (Interest for MARA-LEB).



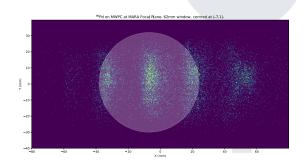
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⇒ Analysis of A=96 recoils distribution at MARA focal plane performed to study transmission into MARA-LEB gas cell as a function of window size.





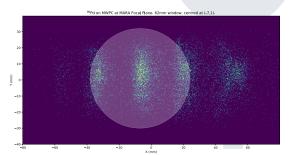
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 \Rightarrow Analysis of A=96 recoils distribution at MARA focal plane performed to study transmission into MARA-LEB gas cell as a function of window size. \Rightarrow Shown within poster for Physics Days 2021.







Performing simulations using Simion to study transmission rates through the MARA-LEB RFQs for different parameters. Working together with Wouter Gins.





