PTOLEMY collaboration meeting

Report of Contributions

https://indico.nikhef.nl/e/3724

Contribution ID: **1** Type: **not specified**

Welcome coffee

Contribution ID: **2** Type: **not specified**

Opening remark

Thursday, 6 October 2022 09:45 (15 minutes)

Presenter: COLIJN, Auke-Pieter

Contribution ID: **3** Type: **not specified**

Overview talk 1

Thursday, 6 October 2022 10:00 (40 minutes)

Presenter: TULLY, Chris

Contribution ID: **4** Type: **not specified**

Short talk on target 1

Contribution ID: **5** Type: **not specified**

Tritiated graphene, radiochemical stability measurement in ENEA

Thursday, 6 October 2022 10:40 (20 minutes)

Presenter: CAVOTO, Gianluca (Sapienza)

Contribution ID: **6** Type: **not specified**

Electron transmission measurement on planar graphene

Thursday, 6 October 2022 11:30 (20 minutes)

Presenter: APPONI, Alice (Roma Tre)

Contribution ID: **7** Type: **not specified**

RF signal processing

Thursday, 6 October 2022 11:50 (40 minutes)

Presenter: VAN ROSSUM, Wim

Contribution ID: **8** Type: **not specified**

Overview talk 2

Thursday, 6 October 2022 14:30 (40 minutes)

Presenter: BOYARSKY, Alexey

Contribution ID: **9** Type: **not specified**

Hydrogen on graphene (remote)

Thursday, 6 October 2022 15:10 (30 minutes)

Presenter: KATSNELSON, Mischa (Radboud University, Nijmegen)

Contribution ID: **10** Type: **not specified**

Short talk

Thursday, 6 October 2022 15:40 (20 minutes)

Presenter: ZIMMER, Fabian (University of Amsterdam, GRAPPA)

Contribution ID: **11** Type: **not specified**

Discussion

Thursday, 6 October 2022 16:50 (40 minutes)

Contribution ID: **12** Type: **not specified**

LNGS activities

Friday, 7 October 2022 09:50 (20 minutes)

Presenter: MESSINA, Marcello

Contribution ID: **13** Type: **not specified**

Graphene hydrogenation (remote)

Friday, 7 October 2022 09:30 (20 minutes)

NPG, planar and CNT

Presenter: MARIANI, Carlo

Contribution ID: **14** Type: **not specified**

Plans at Radboud University

Friday, 7 October 2022 10:30 (15 minutes)

Presenter: ZHELIUK, Oleksandr (Radboud University)

Contribution ID: **15** Type: **not specified**

INRIm work on calorimetry

Friday, 7 October 2022 16:20 (20 minutes)

Presenter: PEPE, Carlo

Contribution ID: **16** Type: **not specified**

Status of intrinsic quantum spread on different carbon substrates

Friday, 7 October 2022 11:30 (20 minutes)

Presenters: ESPOSITO, Angelo; TOZZINI, Valentina

Contribution ID: **17** Type: **not specified**

RF work at Nikhef

Friday, 7 October 2022 14:20 (20 minutes)

Presenter: NAAFS, Michael

Contribution ID: **18** Type: **not specified**

CNT synthesis facility in Roma

Friday, 7 October 2022 14:50 (20 minutes)

techniques, f results in various applications new developments (PE, AFM,new evaporators …)

Presenter: RAGO, Ilaria (Sapienza)

Contribution ID: **19** Type: **not specified**

MCP characterisation for electron detection

Friday, 7 October 2022 15:10 (20 minutes)

results (and perspective for Ptolemy demonstrator)

Presenter: RUOCCO, Alessandro (INFN Roma)

Contribution ID: **20** Type: **not specified**

Talk on magnet and filter

Friday, 7 October 2022 15:50 (30 minutes)

Presenter: CHUNG, Wonyong

Contribution ID: **21** Type: **not specified**

Discussion and concluding remark

Friday, 7 October 2022 16:40 (40 minutes)

Contribution ID: **22** Type: **not specified**

Sterile neutrinos with PTOLEMY (remote)

Presenter: STEFANO, Gariazzo (INFN Torino)

Contribution ID: **23** Type: **not specified**

Use of electron gun for detector characterization

Friday, 7 October 2022 14:40 (10 minutes)

Presenter: PANDOLFI, Francesco (INFN Roma)

Contribution ID: **24** Type: **not specified**

HV system development at LNGS

Friday, 7 October 2022 10:10 (20 minutes)

Presenter: ROSSI, Nicola

Contribution ID: **25** Type: **not specified**

Modulating tritium binding on graphene related materials.

Friday, 7 October 2022 14:00 (20 minutes)

Presenter: TOZZINI, Valentina

Contribution ID: **26** Type: **not specified**

Detection of 27 GHz single electron cyclotron radiation in the PTOLEMY detector.

Friday, 7 October 2022 11:15 (15 minutes)

Presenter: VIRZI, Federico

Contribution ID: **27** Type: **not specified**

Sterile neutrinos with PTOLEMY (remote)

Thursday, 6 October 2022 16:30 (20 minutes)

Presenter: GARIAZZO, Stefano

Contribution ID: **28** Type: **not specified**

Synthesizing high-quality 2D materials: from surface science to novel applications (remote)

Friday, 7 October 2022 12:10 (20 minutes)

Presenter: COLETTI, Camilla