

Workshop on particle detectors for interdisciplinary applications



The workshop is intended to provide graduate and undergraduate students the theoretical background and complementary practical demonstrations in the uses of different kinds of detectors and technologies outside Particle Physics. These applications span research in Medicine, Muography and Engineering.

This workshop will be held in person and will run for three days, with lectures in the morning and interactive laboratory demonstrations in the afternoon. There will be a daily session for short presentations, either in English or Spanish (10 to 15 minutes) of selected contributions. Application for admission is charge free. Most of the lectures will be delivered in Spanish (slides in English) with some few exceptions.

Registration:

Application opening day:
TBD

Deadline-Applications and short talk abstract submission:
TBD

Contact e-mail:

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Informe de contribuciones

Contribution ID: 1

Tipo: **not specified**

Interaction of Charged Particles with Matter

miércoles, 2 de octubre de 2024 8:30 (1 hora)

Session Classification: Day #1 - Morning: Morning Lectures

Contribution ID: 2

Tipo: **not specified**

Interaction of Charge Neutral Particles with Matter

miércoles, 2 de octubre de 2024 10:00 (1 hora)

Session Classification: Day #1 - Morning: Morning Lectures

Contribution ID: 3

Tipo: **not specified**

Gas Detectors and Applications

miércoles, 2 de octubre de 2024 11:00 (1 hora)

Session Classification: Day #1 - Morning: Morning Lectures

Contribution ID: 4

Tipo: **not specified**

Semiconductor Detectors and Applications

miércoles, 2 de octubre de 2024 14:00 (1 hora)

Session Classification: Day #1 - Afternoon: Afternoon Lecture

Contribution ID: 5

Tipo: **not specified**

GEANT 4 Module

miércoles, 2 de octubre de 2024 15:30 (2 horas)

Session Classification: Day #1 - Afternoon Module: GEANT 4

Contribution ID: 6

Tipo: **not specified**

Inline X-ray Phase Contrast Imaging and Applications

jueves, 3 de octubre de 2024 8:30 (1 hora)

Session Classification: Day #2 - Morning

Contribution ID: 7

Tipo: **not specified**

Edge Illumination X-ray Phase Contrast Imaging and Applications

jueves, 3 de octubre de 2024 10:00 (1 hora)

Session Classification: Day #2 - Morning

Contribution ID: 8

Tipo: **not specified**

Muon Detectors and Applications

jueves, 3 de octubre de 2024 14:00 (1 hora)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #2 - Afternoon

Contribution ID: 9

Tipo: **not specified**

Machine Learning Module

jueves, 3 de octubre de 2024 15:30 (2 horas)

Session Classification: Day #2 - Afternoon Module

Contribution ID: **10**

Tipo: **not specified**

Student Talk 1

viernes, 4 de octubre de 2024 8:30 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning

Contribution ID: 11

Tipo: **not specified**

Student Talk 2

viernes, 4 de octubre de 2024 9:00 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning

Contribution ID: 12

Tipo: **not specified**

Student Talk 3

viernes, 4 de octubre de 2024 10:00 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning

Contribution ID: 13

Tipo: **not specified**

Student Talk 4

viernes, 4 de octubre de 2024 10:30 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning

Contribution ID: 14

Tipo: **not specified**

General Discussion about Muon Projects @ HEP Lab

viernes, 4 de octubre de 2024 14:00 (1 hora)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Afternoon Discussion

Contribution ID: 15

Tipo: **not specified**

General Discussion about X-Ray Projects @ HEP Lab (1/2)

viernes, 4 de octubre de 2024 15:30 (1 hora)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Afternoon Discussion

Contribution ID: 16

Tipo: **not specified**

General Discussion about X-Ray Projects @ HEP Lab (2/2)

viernes, 4 de octubre de 2024 16:30 (1 hora)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Afternoon Discussion

Contribution ID: 17

Tipo: **not specified**

Student Talk 5

viernes, 4 de octubre de 2024 11:00 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning

Contribution ID: **18**

Tipo: **not specified**

Student Talk 6

viernes, 4 de octubre de 2024 11:30 (30 minutos)

Autor primario: DEFINED, To Be

Presentador: DEFINED, To Be

Session Classification: Day #3 - Morning