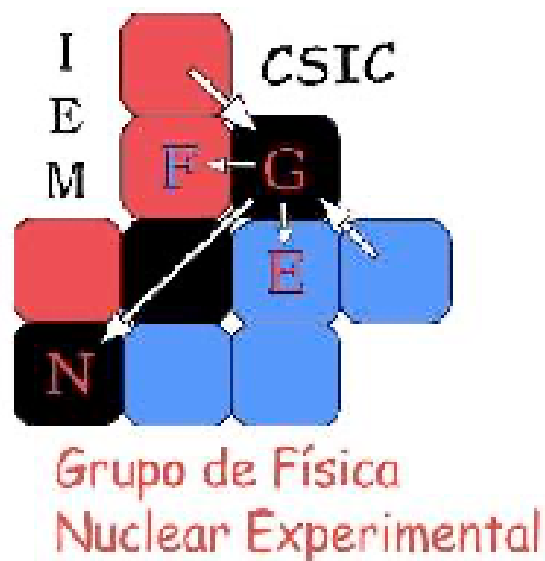


# Técnicas Experimentales Avanzadas en Física Nuclear

<https://indico.cern.ch/e/TEAFN2023>



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## **HpGe - high resolution gamma ray detection**

HpGe - high resolution gamma ray detection

**Session Classification:** LAB4

Contribution ID: 2

Type: **not specified**

## **Segmented Silicon Detectors - Charged Particle detection**

**Presenters:** TENGBLAD, Olof (Consejo Superior de Investigaciones Cientificas (CSIC) (ES)); Mr GARCIA TAVORA, Vicente (IEM - CSIC)

**Session Classification:** Segmented Silicon Detectors - Charged Particle detection

Contribution ID: 3

Type: **not specified**

## **Geant 4 - Montecarlo simulations**

**Presenter:** BRIZ MONAGO, Jose Antonio (CERN)

**Session Classification:** GEANT4

Contribution ID: 4

Type: **not specified**

## LISE - Reaction Fragment Calculator

**Presenters:** RAPPOLD, Christophe (GSI Helmholtz Centre for Heavy Ion Research); Mr ESCRIG LOPEZ, Samuel (IEM - CSIC)

**Session Classification:** LAB5: LISE - Reaction Fragment Calculator

Contribution ID: 5

Type: **not specified**

## **Scintillators - High efficiency detection**

**Presenters:** Prof. TENGBLAD, Olof (IEM - CSIC); Mr GARCIA TAVORRA, Vicente (IEM - CSIC)

**Session Classification:** LAB3

Contribution ID: 7

Type: **not specified**

## **Lifetime studies**

*Friday 27 January 2023 13:00 (1 hour)*

**Presenter:** Dr OLAIZOLA, Bruno (CERN)

**Session Classification:** Theory 5

Contribution ID: 9

Type: **not specified**

## **Interacción en materia y propiedades básicas de los detectores**

*Monday 23 January 2023 09:45 (1 hour)*

**Presenter:** Dr NÁCHER, Enrique (Univ. of Valencia and CSIC (ES))

**Session Classification:** Theory 1



Contribution ID: **10**

Type: **not specified**

## **Detectores de semiconductor**

*Monday 23 January 2023 12:15 (1 hour)*

**Presenter:** Dr NÁCHER, Enrique (IFIC Valencia)

**Session Classification:** Theory 1

Contribution ID: 11

Type: **not specified**

## **Gamma 1**

*Tuesday 24 January 2023 13:00 (1 hour)*

**Presenter:** Dr JUNGCLAUS, Andrea (IEM - CSIC)

**Session Classification:** Theory 2

Contribution ID: 12

Type: **not specified**

## **Gamma - 2**

*Wednesday 25 January 2023 09:30 (1 hour)*

**Presenter:** Dr JUNGCLAUS, Andrea (IEM - CSIC)

**Session Classification:** Theory 3

Contribution ID: 13

Type: **not specified**

## **Machine Learning in nuclear and particle physics.**

*Friday 27 January 2023 12:00 (1 hour)*

Applications of Machine Learning in nuclear and particle physics.

**Presenter:** RAPPOLD, Christophe (Instituto de Estructura de la Materia - CSIC)

**Session Classification:** Theory 5

Contribution ID: 14

Type: **not specified**

## Desintegración beta

*Thursday 26 January 2023 10:30 (1 hour)*

**Presenter:** Dr OLAIZOLA, Bruno (CERN)

**Session Classification:** Theory 4

Contribution ID: 16

Type: **not specified**

## Producción de núcleos exóticos

*Tuesday 24 January 2023 09:30 (1 hour)*

**Presenters:** GARCIA BORGE, Maria Jose (Consejo Superior de Investigaciones Cientificas (CSIC) (ES)); Prof. GARCÍA BORGE, María José (IEM - CSIC)

**Session Classification:** Theory 2

Contribution ID: 17

Type: **not specified**

## **R3B - Reactions with Relativistic Radioactive Beams**

*Friday 27 January 2023 10:30 (1 hour)*

**Presenter:** Prof. TENGBLAD, Olof (IEM - CSIC)

**Session Classification:** Theory 5

Contribution ID: 18

Type: **not specified**

## **Simulaciones Montecarlo / GEANT4**

*Tuesday 24 January 2023 10:30 (1 hour)*

**Presenter:** Dr NACHER, Enrique (IFIC (CSIC - Univ. of Valencia))

**Session Classification:** Theory 2



Contribution ID: 19

Type: **not specified**

## **I+D para Protonterapia**

**Presenter:** BRIZ MONAGO, Jose Antonio (CERN)

**Session Classification:** Theory 5

Contribution ID: 20

Type: **not specified**

## Introduction to ROOT

*Wednesday 25 January 2023 12:00 (1 hour)*

**Presenter:** Dr NACHER, Enrique (IFIC (CSIC - Univ. of Valencia))

**Session Classification:** Theory 3

Contribution ID: 22

Type: **not specified**

## Introducción

*Monday 23 January 2023 09:30 (8 minutes)*

**Presenter:** Prof. TENGBLAD, Olof (IEM - CSIC)

**Session Classification:** Theory 1

Contribution ID: **34**

Type: **not specified**

## **CMAM - Introduction to the ion accelerator**

**Presenter:** VINALS ONSSES, Silvia (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

**Session Classification:** CMAM – Monolithic Si detector –

Contribution ID: 37

Type: **not specified**

## **ROOT - Lise++ (LAB1)**

Introduction to ROOT

**Session Classification:** Desintegración Beta & R3B

Contribution ID: 38

Type: **not specified**

## Introduction to Machine Learning

**Presenter:** RAPPOLD, Christophe (Instituto de Estructura de la Materia - CSIC)

**Session Classification:** Theory 3

Contribution ID: 39

Type: **not specified**

## **Metodos de Estadística de análisis**

*Monday 23 January 2023 13:15 (1 hour)*

**Presenter:** Dr TAIN, Jose Luis (IFIC - Valencia)

**Session Classification:** Theory 1

Contribution ID: 40

Type: **not specified**

## High resolution techniques (1)

*Monday 23 January 2023 10:45 (1 hour)*

**Presenter:** MICHELAGNOLI, Caterina (Institut Laue-Langevin)

**Session Classification:** Theory 1



Contribution ID: 41

Type: **not specified**

## High resolution techniques (2)

*Thursday 26 January 2023 09:30 (1 hour)*

**Presenter:** MICHELAGNOLI, Caterina (Institut Laue-Langevin)

**Session Classification:** Theory 4

Contribution ID: 42

Type: **not specified**

## **Spectrometros (1)**

*Tuesday 24 January 2023 12:00 (1 hour)*

**Presenter:** KURTUKIAN NIETO, Teresa (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Theory 2

Contribution ID: 43

Type: **not specified**

## High resolution techniques (3)

*Friday 27 January 2023 09:30 (1 hour)*

**Presenter:** MICHELAGNOLI, Caterina (Institut Laue-Langevin)

**Session Classification:** Theory 5

Contribution ID: 44

Type: **not specified**

## **Spectrómetros en F. Nuclear (2)**

*Wednesday 25 January 2023 10:30 (1 hour)*

**Presenter:** KURTUKIAN NIETO, Teresa (Centre National de la Recherche Scientifique (FR))

**Session Classification:** Theory 3

Contribution ID: 45

Type: **not specified**

## **Modos exóticos de desintegración (2)**

*Thursday 26 January 2023 13:00 (1 hour)*

**Author:** GARCIA BORGE, Maria Jose (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

**Presenters:** GARCIA BORGE, Maria Jose (Consejo Superior de Investigaciones Cientificas (CSIC) (ES)); Dr GARCIA BORGE, María José (IEM - CSIC)

**Session Classification:** Theory 4

Contribution ID: 46

Type: **not specified**

## **CMAM: introducción a acelerador**

*Wednesday 25 January 2023 13:00 (1 hour)*

**Presenter:** VINALS ONSES, Silvia (Universidad Autonoma de Madrid (ES))

**Session Classification:** Theory 3

Contribution ID: 47

Type: **not specified**

## Introduction to Machine Learning

*Thursday 26 January 2023 12:00 (1 hour)*

**Presenter:** RAPPOLD, Christophe (Instituto de Estructura de la Materia - CSIC)

**Session Classification:** Theory 4

Contribution ID: 48

Type: **not specified**

## LAB1 - ROOT

**Presenter:** ACOSTA LOZA, Jaime (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

**Session Classification:** LAB3 (Scintillators and HPGe)



Contribution ID: 49

Type: **not specified**

## **LAB2 - GEANT 4**

**Session Classification:** LAB3 (Scintillators and HPGe)

Contribution ID: 50

Type: **not specified**

## **LAB3 - Centellador / montaje de PM + Cristall**

**Session Classification:** LAB3 (Scintillators and HPGe)

Contribution ID: 51

Type: **not specified**

## **LAB4 - Espectroscopia Gamma / HPGe vs Centellador**

**Session Classification:** LAB3 (Scintillators and HPGe)

Contribution ID: 52

Type: **not specified**

## **Charge Particle Detection / DSSD + PAD + GAGG**

**Session Classification:** LAB3 (Scintillators and HPGe)

Contribution ID: 53

Type: **not specified**

## **ROOT a**

*Monday 30 January 2023 09:30 (2 hours)*

**Presenter:** ACOSTA LOZA, Jaime (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

**Session Classification:** LAB1 ROOT

Contribution ID: 54

Type: **not specified**

## **ROOT b**

*Monday 30 January 2023 12:00 (2 hours)*

**Presenter:** ACOSTA LOZA, Jaime (Consejo Superior de Investigaciones Cientificas (CSIC) (ES))

**Session Classification:** LAB1 ROOT

Contribution ID: 55

Type: **not specified**

## GEANT4 a

*Monday 30 January 2023 15:00 (2 hours)*

**Presenter:** Dr NACHER, Enrique (IFIC (CSIC - Univ. of Valencia))

**Session Classification:** LAB2 GEANT4

Contribution ID: 56

Type: **not specified**

## **GEANT4 b**

*Monday 30 January 2023 17:30 (2 hours)*

**Presenter:** Dr NACHER, Enrique (IFIC (CSIC - Univ. of Valencia))

**Session Classification:** LAB2 GEANT4