

**TALLER - APLICACIONES
INTERDISCIPLINARIAS DE
DETECTORES DE
PARTÍCULAS**

Report of Contributions

Contribution ID: 1

Type: **Lecture**

Interaccion de Muones con la Materia

Wednesday, 10 June 2026 09:00 (30 minutes)

Primary author: GOMEZ, Bernardo (Universidad de los Andes)

Presenter: GOMEZ, Bernardo (Universidad de los Andes)

Session Classification: Day #1: Morning Lectures - Session 1

Contribution ID: 2

Type: **Lecture**

RPC - Camaras de Placas Resistivas

Wednesday, 10 June 2026 09:30 (30 minutes)

Primary author: CABRERA, Andres (CERN)

Presenter: CABRERA, Andres (CERN)

Session Classification: Day #1: Morning Lectures - Session 1

Contribution ID: 3

Type: **Lecture**

Detectores GEM y Aplicaciones

Wednesday, 10 June 2026 10:30 (30 minutes)

Primary author: MORENO, Deywis (Universidad Antonio Nariño)

Presenter: MORENO, Deywis (Universidad Antonio Nariño)

Session Classification: Day #1: Morning Lectures - Session 2

Contribution ID: 4

Type: **Lecture**

Muon Telescope UIS

Wednesday, 10 June 2026 11:30 (30 minutes)

Primary author: SARMIENTO CANO, Christian (Universidad Industrial de Santander)

Presenter: SARMIENTO CANO, Christian (Universidad Industrial de Santander)

Session Classification: Day #1: Morning Lectures - Session 2

Contribution ID: 5

Type: **Lecture**

Aplicaciones MUTE

Wednesday, 10 June 2026 12:00 (30 minutes)

Primary author: SARMIENTO CANO, Christian (Universidad Industrial de Santander)

Presenter: SARMIENTO CANO, Christian (Universidad Industrial de Santander)

Session Classification: Day #1: Morning Lectures - Session 2

Contribution ID: 6

Type: **Lecture**

Muon Telescope UNIANDES - CENTELLEO

Wednesday, 10 June 2026 14:00 (30 minutes)

Primary author: GUZMÁN MEJÍA, Juan José (Universidad de los Andes)

Presenter: GUZMÁN MEJÍA, Juan José (Universidad de los Andes)

Session Classification: Day #1: Afternoon Lectures - Session 1

Contribution ID: 7

Type: **Lecture**

Muon Telescope UNIANDES - GEM

Wednesday, 10 June 2026 14:30 (30 minutes)

Primary author: MELÉNDEZ, Santiago (Universidad de los Andes)

Presenter: MELÉNDEZ, Santiago (Universidad de los Andes)

Session Classification: Day #1: Afternoon Lectures - Session 1

Contribution ID: 8

Type: **Lecture**

Aplicaciones Ingenieria Civil

Wednesday, 10 June 2026 15:00 (30 minutes)

Primary author: CORREDOR, Daniel (Universidad de los Andes)

Presenter: CORREDOR, Daniel (Universidad de los Andes)

Session Classification: Day #1: Afternoon Lectures - Session 1

Contribution ID: 9

Type: **Lecture**

Aplicaciones en Geociencias

Wednesday, 10 June 2026 16:00 (30 minutes)

Primary author: SANCHEZ, Luisa (Universidad de los Andes)

Presenter: SANCHEZ, Luisa (Universidad de los Andes)

Session Classification: Day #1: Afternoon Lectures - Session 2

Contribution ID: **10**

Type: **Lecture**

Simulacion GEANT4 - Detectores Muones

Wednesday, 10 June 2026 16:30 (1 hour)

Primary author: MARTÍNEZ RIVERO, Rafael Armando (Universidad Industrial de Santander)

Presenter: MARTÍNEZ RIVERO, Rafael Armando (Universidad Industrial de Santander)

Session Classification: Day #1: Afternoon Lectures - Session 2

Contribution ID: 11

Type: **not specified**

Discusion, proyectos muones en UNIANDES

Wednesday, 10 June 2026 17:30 (30 minutes)

Session Classification: Day #1: Afternoon Lectures - Session 2

Contribution ID: 12

Type: **Lecture**

Interaccion de Rayos X con la Materia

Thursday, 11 June 2026 09:00 (30 minutes)

Primary author: AVILA, Carlos (Universidad de los Andes)

Presenter: AVILA, Carlos (Universidad de los Andes)

Session Classification: Day #2: Morning Lectures - Session 1

Contribution ID: 13

Type: **Lecture**

Contraste de Fase por Propagacion

Thursday, 11 June 2026 09:30 (30 minutes)

Primary author: CELY, Steven (Universidad de los Andes)

Presenter: CELY, Steven (Universidad de los Andes)

Session Classification: Day #2: Morning Lectures - Session 1

Contribution ID: 14

Type: **Lecture**

Lab-based phase-contrast micro-CT for osteochondral tissue at ~1 μm resolution

Thursday, 11 June 2026 10:30 (30 minutes)

Primary author: GONZALEZ GRAJALES, Alvaro Jose (University College London (UCL))

Presenter: GONZALEZ GRAJALES, Alvaro Jose (University College London (UCL))

Session Classification: Day #2: Morning Lectures - Session 2

Contribution ID: 15

Type: **Lecture**

Compact amplitude-modulation imaging systems for phase-based x-ray microtomography

Thursday, 11 June 2026 11:30 (30 minutes)

Primary author: NAVARRETE-LEÓN, Carlos (University College London (UCL))

Presenter: NAVARRETE-LEÓN, Carlos (University College London (UCL))

Session Classification: Day #2: Morning Lectures - Session 2

Contribution ID: 16

Type: **not specified**

Discusion, proyectos RX en Lab UNIANDES

Thursday, 11 June 2026 12:00 (30 minutes)

Session Classification: Day #2: Morning Lectures - Session 2

Contribution ID: 17

Type: **not specified**

Contraste de Fase por Speckle

Thursday, 11 June 2026 14:00 (30 minutes)

Primary author: TIBAMBRE, Cristian (Universidad de los Andes)

Presenter: TIBAMBRE, Cristian (Universidad de los Andes)

Session Classification: Day #2: Afternoon Lectures - Session 1

Contribution ID: 18

Type: **Hands-On Session**

CATNIP - Modulo Practico

Thursday, 11 June 2026 14:30 (1 hour)

Primary author: SANCHEZ, Manuel (Università degli Studi di Trieste)

Presenter: SANCHEZ, Manuel (Università degli Studi di Trieste)

Session Classification: Day #2: Afternoon Lectures - Session 1

Contribution ID: 19

Type: **Hands-On Session**

SBI NN - Modulo Practico

Thursday, 11 June 2026 16:00 (1 hour)

Primary author: GONZALEZ, Simon (Universidad de los Andes)

Presenter: GONZALEZ, Simon (Universidad de los Andes)

Session Classification: Day #2: Afternoon Lectures - Session 2

Contribution ID: 20

Type: **Hands-On Session**

GEANT4 PEPI - Modulo Practico

Thursday, 11 June 2026 17:00 (1 hour)

Primary author: TIBAMBRE, Cristian (Universidad de los Andes)

Presenter: TIBAMBRE, Cristian (Universidad de los Andes)

Session Classification: Day #2: Afternoon Lectures - Session 2

Contribution ID: 21

Type: **Lecture**

Detectores Contadores de Fotones

Friday, 12 June 2026 09:00 (30 minutes)

Primary author: ROQUE, Gerardo (University of Freiburg)

Presenter: ROQUE, Gerardo (University of Freiburg)

Session Classification: Day #3: Morning Lectures - Session 1

Contribution ID: 22

Type: **Lecture**

X ray CT

Friday, 12 June 2026 09:30 (30 minutes)

Primary author: BERMUDEZ, Jesus (Analista de Laboratorio)

Presenter: BERMUDEZ, Jesus (Analista de Laboratorio)

Session Classification: Day #3: Morning Lectures - Session 1

Contribution ID: 23

Type: **Lecture**

Cámaras Compton para localización de fuentes de radiación

Friday, 12 June 2026 10:30 (30 minutes)

Primary author: PEREZ LARA, Maria Laura (University College London (UCL))

Presenter: PEREZ LARA, Maria Laura (University College London (UCL))

Session Classification: Day #3: Morning Lectures - Session 2

Contribution ID: 24

Type: **Lecture**

Dosimetria de Rayos-X

Primary author: USECHE, Sebastian (University of Freiburg)

Presenter: USECHE, Sebastian (University of Freiburg)

Session Classification: Day #3: Morning Lectures - Session 2

Contribution ID: 25

Type: **Lecture**

Discusion, proyectos RX en Lab UNIANDES

Friday, 12 June 2026 12:00 (30 minutes)

Session Classification: Day #3: Morning Lectures - Session 2

Contribution ID: 26

Type: **Lecture**

Darkfield con EI

Friday, 12 June 2026 14:00 (30 minutes)

Primary author: ANDRADE HERNÁNDEZ, Thomas (Universidad de los Andes)

Presenter: ANDRADE HERNÁNDEZ, Thomas (Universidad de los Andes)

Session Classification: Day #3: Afternoon Lectures - Session 1

Contribution ID: 27

Type: **Lecture**

Esterilizacion de Equipo Medico

Friday, 12 June 2026 14:30 (30 minutes)

Primary author: MENDOZA, Luis (Universidad Militar)

Presenter: MENDOZA, Luis (Universidad Militar)

Session Classification: Day #3: Afternoon Lectures - Session 1

Contribution ID: 28

Type: **not specified**

Charla Estudiantes

Friday, 12 June 2026 15:00 (30 minutes)

Session Classification: Day #3: Afternoon Lectures - Session 1

Contribution ID: 29

Type: **not specified**

Charla Estudiantes

Friday, 12 June 2026 16:00 (30 minutes)

Session Classification: Day #3: Afternoon Lectures - Session 2

Contribution ID: **30**

Type: **not specified**

Charla Estudiantes

Friday, 12 June 2026 16:30 (30 minutes)

Session Classification: Day #3: Afternoon Lectures - Session 2

Contribution ID: **31**

Type: **not specified**

Charla Estudiantes

Friday, 12 June 2026 17:00 (30 minutes)

Session Classification: Day #3: Afternoon Lectures - Session 2

Contribution ID: 32

Type: **not specified**

Charla Estudiantes

Friday, 12 June 2026 17:30 (30 minutes)

Session Classification: Day #3: Afternoon Lectures - Session 2