

**[H2020-ARIEL] "HISPANOS
Hands-On school on the
production, detection and use
of neutron beams"**

Monday, May 25, 2020 - Friday, May 29, 2020

Seville, Spain

Book of Abstracts

Contents

Welcome to the School	1
Interaction of neutrons with matter	1
Neutron nuclear data needs	1
Neutron production	1
Principles of neutron detection	1
Research with large neutron detectors	1
Research at large neutron beam facilities	1
Aplications using neutrons beams	1
Career development in the neutron and nuclear data community	2
City Tour	2
School dinner	2
Career development in the neutron and nuclear data community	2
Principles of neutron production	2

Lectures / 3

Welcome to the School

Corresponding Author: carlos.guerrero@cern.ch

Lectures / 4

Interaction of neutrons with matter

Lectures / 5

Neutron nuclear data needs

Corresponding Author: r.capotenoy@iaea.org

Lectures / 6

Neutron production

Corresponding Author: peter.schillebeeckx@ec.europa.eu

Lectures / 7

Principles of neutron detection

Corresponding Author: jose.luis.tain@ific.uv.es

Lectures / 8

Research with large neutron detectors

Corresponding Author: jose.luis.tain@ific.uv.es

Lectures / 9

Research at large neutron beam facilities

Corresponding Author: carlos.guerrero@cern.ch

Lectures / 10

Applications using neutrons beams

Corresponding Author: alan.hewat@gmail.com

Lectures / 11

Career development in the neutron and nuclear data community

Corresponding Author: oscar.cabellos@upm.es

12

City Tour

13

School dinner

Lectures / 14

Career development in the neutron and nuclear data community

Corresponding Author: oscar.cabellos@upm.es

Lectures / 15

Principles of neutron production

Corresponding Author: peter.schillebeeckx@ec.europa.eu