

4th Annual ARDENT Workshop



Report of Contributions

Contribution ID: 3

Type: **not specified**

Eleni AZA (ESR 1)

Monday 22 June 2015 14:30 (25 minutes)

Primary author: AZA, Eleni (CERN)

Presenter: AZA, Eleni (CERN)

Session Classification: ESRs presentations

Contribution ID: 4

Type: **not specified**

Erik Frojd (ESR 2)

Monday 22 June 2015 14:55 (25 minutes)

Co-author: FROJD, Erik (Mittuniversitetet (SE))

Presenter: FROJD, Erik (Mittuniversitetet (SE))

Session Classification: ESRs presentations

Contribution ID: 5

Type: **not specified**

Silvia Puddu (ESR 3)

Primary author: PUDDU, Silvia (CERN)

Presenter: PUDDU, Silvia (CERN)

Contribution ID: 6

Type: **not specified**

Stuart George (ESR 4)

Monday 22 June 2015 15:20 (25 minutes)

Primary author: GEORGE, Stuart Patrick (CERN)

Presenter: GEORGE, Stuart Patrick (CERN)

Session Classification: ESRs presentations

Contribution ID: 7

Type: **not specified**

Jayasimha Bagalkote (ESR 5)

Monday 22 June 2015 15:45 (25 minutes)

Primary author: BAGALKOTE, Jayasimha

Presenter: BAGALKOTE, Jayasimha

Session Classification: ESRs presentations

Contribution ID: 8

Type: **not specified**

Andrej Sipaj (ESR 6)

Presenter: SIPAJ, Andrej

Contribution ID: 9

Type: **not specified**

Ivan Caicedo Sierra (ESR 7)

Monday 22 June 2015 16:40 (25 minutes)

Primary author: CAICEDO SIERRA, Ivan Dario (Czech Technical University (CZ))

Presenter: CAICEDO SIERRA, Ivan

Session Classification: ESRs presentations

Contribution ID: **10**

Type: **not specified**

Kevin Loo (ESR 8)

Monday 22 June 2015 17:05 (25 minutes)

Primary author: LOO, Kevin Jia-Jin

Presenter: LOO, Kevin Jia-Jin

Session Classification: ESRs presentations

Contribution ID: **11**

Type: **not specified**

Benedikt Bergmann (ESR 9)

Monday 22 June 2015 17:30 (25 minutes)

Primary author: BERGMANN, Benedikt Ludwig (Czech Technical University (CZ))

Presenter: BERGMANN, Benedikt Ludwig (Czech Technical University (CZ))

Session Classification: ESRs presentations

Contribution ID: **12**

Type: **not specified**

Francesca Bisello (ESR 10)

Tuesday 23 June 2015 09:00 (25 minutes)

Primary author: Mrs BISELLO, Francesca

Presenter: Mrs BISELLO, Francesca

Session Classification: ESRs presentations

Contribution ID: **13**

Type: **not specified**

Michele Togno (ESR 11)

Tuesday 23 June 2015 09:25 (25 minutes)

Primary author: TOGNO, Michele

Presenter: TOGNO, Michele

Session Classification: ESRs presentations

Contribution ID: 14

Type: **not specified**

Vijayaragavan Viswanathan (ESR 12)

Tuesday 23 June 2015 09:50 (25 minutes)

Primary author: Dr VISWANATHAN, Vijayaragavan

Presenter: Dr VISWANATHAN, Vijayaragavan

Session Classification: ESRs presentations

Contribution ID: 15

Type: **not specified**

Alvin Sashala Naik (ESR 13)

Tuesday 23 June 2015 10:15 (25 minutes)

Primary author: SASHALA NAIK, Alvin

Presenter: SASHALA NAIK, Alvin

Session Classification: ESRs presentations

Contribution ID: **16**

Type: **not specified**

Eleni Sagia (ESR 14)

Tuesday 23 June 2015 11:10 (25 minutes)

Primary author: SAGIA, Elena (National Technical Univ. of Athens (GR))

Presenter: SAGIA, Elena (National Technical Univ. of Athens (GR))

Session Classification: ESRs presentations

Contribution ID: 17

Type: **not specified**

Chris Cassel (ESR 15)

Tuesday 23 June 2015 11:35 (25 minutes)

Primary author: CASSELL, Christopher (P)

Presenter: CASSELL, Christopher (P)

Session Classification: ESRs presentations

Contribution ID: **19**

Type: **not specified**

1. Neutron sources (isotopic, accelerators, reactors, photoneutrons)

Wednesday 24 June 2015 09:00 (1 hour)

Presenter: GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

Session Classification: Training Course

Contribution ID: 31

Type: **not specified**

Visit of the Nuclear Physics Institute

Friday 26 June 2015 09:00 (5 hours)

Visit of three facilities, 40 minutes each

- Divide into 4 groups to visit the following:

- 1) LVR-15 reactor, tandetron, gamma spectroscopy lab
- 2) LR-0 reactor, cyclotron, radiopharmaceutical lab
- 3) Tandetron, LVR-15 reactor, neutron material research channels
- 4) Gamma spectroscopy lab, LR-0 reactor, tandetron

Contribution ID: 32

Type: **not specified**

2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 1

Wednesday 24 June 2015 10:00 (1 hour)

Presenter: GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

Session Classification: Training Course

Contribution ID: 33

Type: **not specified**

3. Gas detectors (He-3, BF₃, He-4, ionisation chambers)

Wednesday 24 June 2015 13:30 (1 hour)

Presenter: WAKER, Anthony

Session Classification: Training Course

Contribution ID: **34**

Type: **not specified**

4. Scintillator detectors including operating principles

Wednesday 24 June 2015 14:30 (1 hour)

Presenter: LERCH, Michael

Session Classification: Training Course

Contribution ID: 35

Type: **not specified**

5. Moderator-type detectors (rem counters, BSS)

Wednesday 24 June 2015 16:00 (1 hour)

Presenter: SILARI, Marco (CERN)

Session Classification: Training Course

Contribution ID: 36

Type: **not specified**

6. Passive detectors (activation detectors, bubble detectors) - part 1

Wednesday 24 June 2015 17:00 (1 hour)

Presenter: GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

Session Classification: Training Course

Contribution ID: 37

Type: **not specified**

7. Semiconductor detectors

Thursday 25 June 2015 10:00 (1 hour)

Presenter: OWENS, Alan

Session Classification: Training Course

Contribution ID: 42

Type: **not specified**

9. Medipix and GEM based neutron detectors

Thursday 25 June 2015 13:30 (1 hour)

Presenter: VYKYDAL, Zdenek (Czech Technical University (CZ))

Session Classification: Training Course

Contribution ID: 43

Type: **not specified**

10. Neutron radiobiology - 1

Thursday 25 June 2015 14:30 (1 hour)

Presenter: JONES, Bleddyn (Gray Insititue, Univeristy of Oxford)

Session Classification: Training Course

Contribution ID: 44

Type: **not specified**

12. Monte Carlo in neutron metrology and dosimetry

Thursday 25 June 2015 17:00 (1 hour)

Presenter: ROLLET, Sofia (AIT- Austrian Institute of Technology)

Session Classification: Training Course

Contribution ID: 45

Type: **not specified**

8. Neutron semiconductor detectors for clinical dosimetry applications: Fast Neutron Therapy , BNCT and out of field neutron dose in proton therapy

Thursday 25 June 2015 11:30 (1 hour)

Presenter: ROZENFELD, Anatoly

Session Classification: Training Course

Contribution ID: 46

Type: **not specified**

6. Passive detectors (activation detectors, nuclear track detectors, bubble detectors, TLDs) - part 2

Contribution ID: 47

Type: **not specified**

2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 2

Contribution ID: 48

Type: **not specified**

9. Neutron radiobiology - 2

Contribution ID: 49

Type: **not specified**

10. Neutron radiobiology - 2

Contribution ID: 50

Type: **not specified**

SEMINAR "Radiation track: from DNA damage to cancer therapy"

Monday 22 June 2015 18:00 (1 hour)

Presenter: Dr DAVIDKOVA, Marie

Contribution ID: 51

Type: **not specified**

BOAT DINNER

Thursday 25 June 2015 19:00 (3 hours)

<http://www.pstours.cz/tour/t6-prague-by-night/>

Contribution ID: 52

Type: **not specified**

2. Interaction of neutrons with matter (with tissue, including a short recall on dosimetry quantities, and with matter as a basis of detection principles) - 2

Wednesday 24 June 2015 11:30 (1 hour)

Presenter: GIULINI CASTIGLIONI AGOSTEO, Stefano (Politecnico di Milano (IT))

Session Classification: Training Course

Contribution ID: 53

Type: **not specified**

6. Passive detectors (nuclear track detectors) - part 2

Thursday 25 June 2015 09:00 (1 hour)

Presenters: SASHALA NAIK, Alvin; PARRAVICINI, Antonio (M)

Session Classification: Training Course

Contribution ID: 54

Type: **not specified**

Special Seminar: Voyage of pixel detectors from particle physics through biomedical imaging up to outer space

Tuesday 23 June 2015 18:00 (1 hour)

Presenter: POSPISIL, Stanislav (Institute of Experimental and Applied Physics, Czech Technical University in Prague)

Contribution ID: 55

Type: **not specified**

Board Dinner

Tuesday 23 June 2015 19:30 (2 hours)

Contribution ID: 56

Type: **not specified**

Stefan Gohl (ESR 16)

Tuesday 23 June 2015 12:00 (25 minutes)

Session Classification: ESRs presentations

Contribution ID: 57

Type: **not specified**

11. Neutron radiobiology - 2

Thursday 25 June 2015 16:00 (1 hour)

Presenter: JONES, Bleddyn (Gray Insititue, Univeristy of Oxford)

Session Classification: Training Course