

# Coordinator's Report: Training Progress Report

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# Training activities

- **PhD studentships**  
11 students hired in academic year 17/18  
enrolled in university PhD programmes
- **Short-term studentships**  
placings in research and outreach projects
- **Annual and topical schools**  
Lund 2017 and Prato 2018, Göttingen 2018
- **Bi-annual network meetings**
- **Entrepreneurship and employability**  
industry secondments, training events



# PhD studentships

Research projects in MC generator physics, development and application

- 11 international students: 8 male, 3 female (France, UK, Ireland, Germany (2), Spain, China, India, Italy, Norway, Canada)
- 36 months contracts with host universities
- main objective: complete PhD in 3-4 years
- first research results presented & published
- offer academic and industry secondments

next generation of MC developers



# MCnet Short-term studentships

## 3-6 months training opportunities

- open to network and external students
- student exchange between network nodes
- widely advertised in the broader community
- train experimentalists and theorists
- awarded 33 months: 3 posts completed, 1 in progress, 3 to start in spring 2019
- secondments for network ESRs, so far 1 academic and 1 with industry partner (B12)

inter-project collaboration, expert-user training



# Annual schools

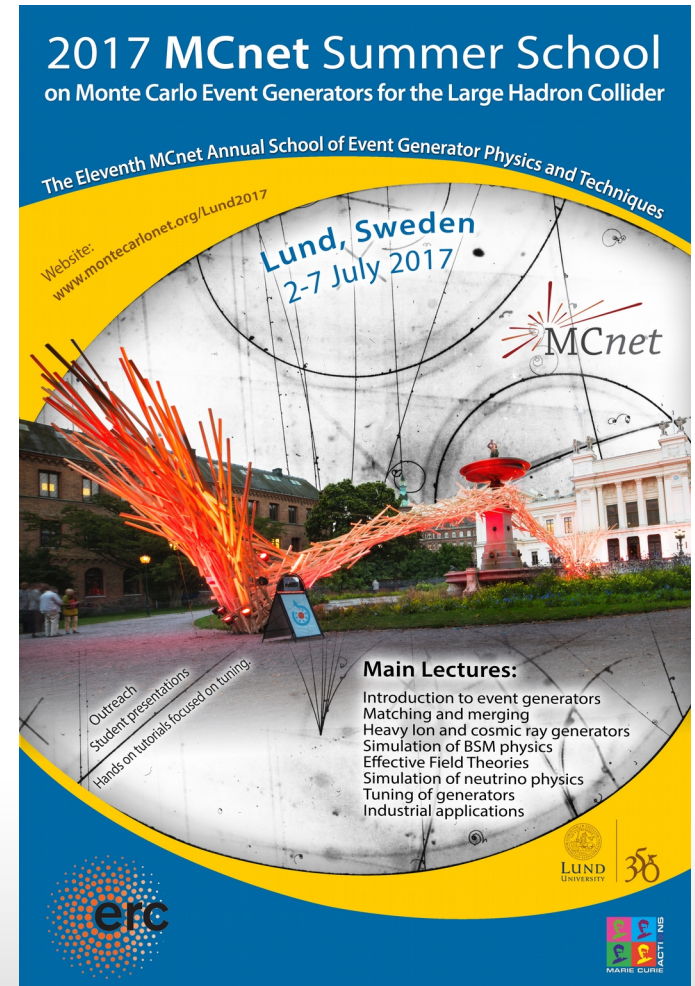
## Key activity in developer and user training

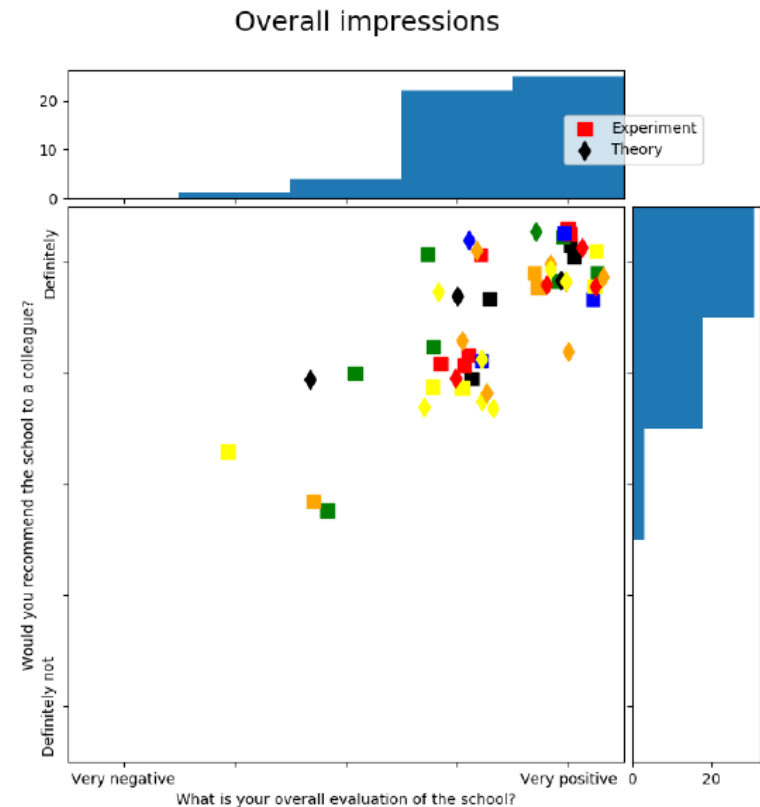
- held annually, hosted by specific node
- 5 days of introductory and specialised lectures, industry lecture, hands-on sessions, generator tutorials, evening discussions
- involve MCnet alumni as lecturers & tutors
- export format outside Europe (Vietnam 2019)

cohort building, scientific outreach to community

## 2017 Lund/Sweden

- 11<sup>th</sup> MCnet school
- 61 participants, incl. 3 prospective ESRs and 3 short-term students, 12 non-appointed node members
- 11 MCnet academics

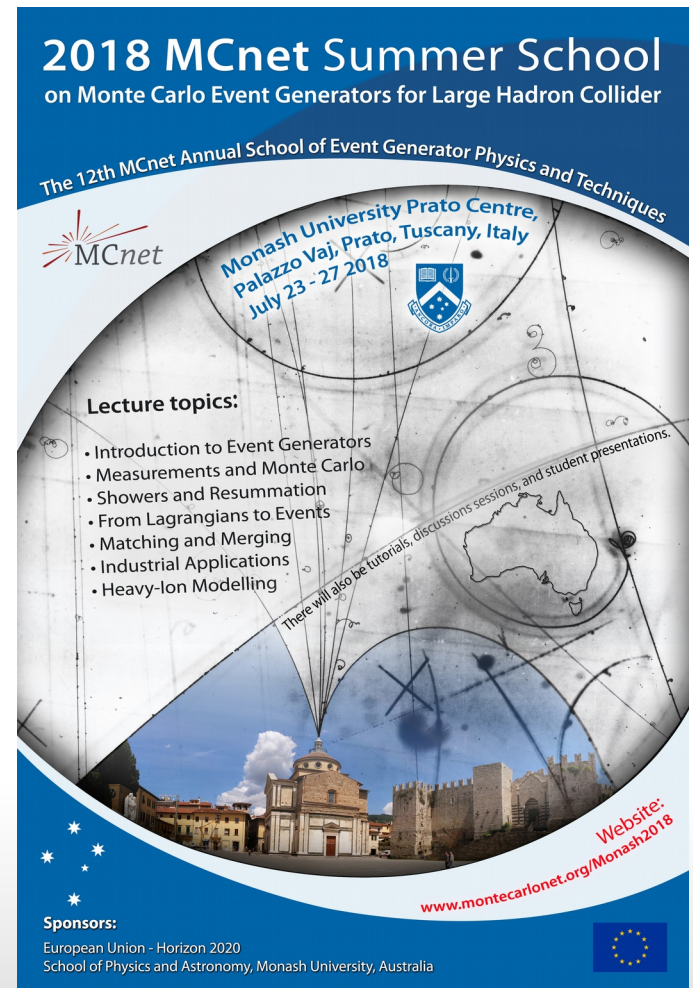






## 2018 Prato/Italy

- run by Monash at their centre in Prato/Tuscany
- 46 participants, incl. 10 ESRs and 2 shorties
- 7 MCnet academics
- tutorials on heavy ion collisions



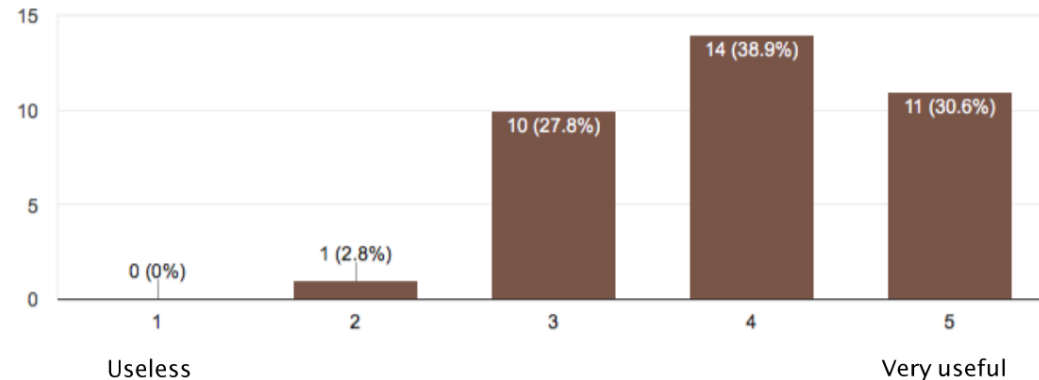




# Prato school feedback

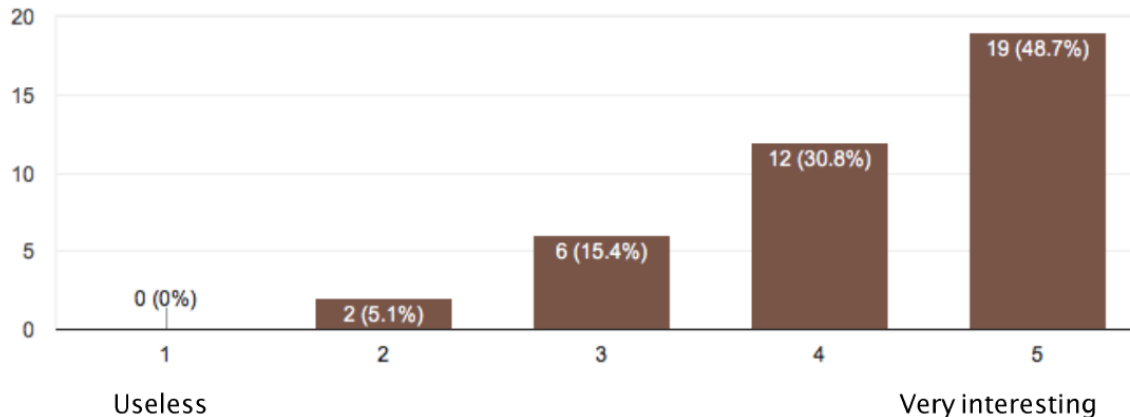
What are your impressions from the second tutorial session, on heavy ion event generation?

36 responses



What is your impressions of the evening sessions?

39 responses



September 2018 Göttingen

- 5d School on Scientific Computing:  
interactive lectures on OO, continuous  
integration, APIs, parallel computing, ...  
coding projects in teams of 4
- 19 participants  
incl. 10 MCnetITN3 ESRs
- 6 lecturers/tutors





# MCnet Network meetings

## Bi-annual meetings of the entire network

- CERN and KIT 2017, CERN 2018, Louvain-la-Neuve Jan. 2019
- student and postdoc sessions organised by student committee: status talks, topical discussions, inter-generator aspects
- involve industry partners
- combine with specific training events  
CERN '18: 2 days on scientific presentations



# Training events

## CERN 2018: Scientific presentations

### **Pre-course**

prepare draft presentation, access to training materials and advice

### **Day 1 - Design Presentation Content**

structure, concise messages, presenting data, visual aids

### **Review draft presentation**

### **Day 2 - Delivering Presentations**

style, engage audience, presentation practice - feedback from trainers, academics and fellows

# Summary

## Large variety of training opportunities

- 10(+1) ESRs enrolled in PhD programmes
- annual and topical schools  
reviewed and adjusted based on feedback  
involve industry partners and MCnet alumni
- short-term studentships and secondments  
involves all nodes, academic & industry partners
- employability events
- bi-annual network meetings