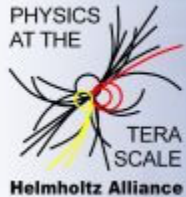




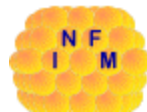
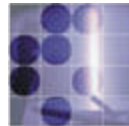
2ND MC-PAD NETWORK TRAINING EVENT

DESY AND UNIVERSITY HAMBURG

26-28 JANUARY 2010



PHYSICS AT THE TERASCALE
Helmholtz Alliance





WELCOME

WELCOME

Researchers

Supervisors

EU-
Coordinators

Industrial
Partners

MC-PAD

Local
Coordinators

Administrators

Assoc.
Partners



MC-PAD in a nutshell ...



20 Nov 2006

Meeting of CERN MC steering group → idea to apply for a MC ITN on Particle Detectors

16 Mar 2007

First (phone) meeting of the MC-PAD 'consortium'

21 Sep 2007

Submit full proposal, 56 pages + lots of tables and forms. From about 100 physics proposals, we ranked no 3.

22 Oct 2008

Grant Agreement signed after months of negotiations. 19 ESR and 3 ER positions. Total volume 4.7 M€

1 Nov 2008

Official Network start date

1 Dec 2008

First researchers recruited

13-14 January 2009

Kick-off meeting



17-19 September

1st MC-PAD Network Training Event in Cracow

14 December

Annual Progress Report submitted

9 September

40th MC-PAD phone meeting . 19 Researchers recruited. 2 positions open, the last one will be filled in 2010.

19 January 2010

45th MC-PAD phone meeting . 20 Researchers recruited. 1 position open (at PSI), one needs to be refilled

26-28 January

2nd MC-PAD Network Training Event (Open Training Event) in co-operation with the Helmholtz Alliance
+ Annual meeting of the MC-PAD supervisory board





It's all about training ...

... from the MC-PAD proposal text:

B.3.1.2 Scientific, practical and complementary training

The partners of the network have a successful, long-term experience in training researchers at all stages of their scientific career. As demonstrated by the following table, the **MC-PAD ITN**, which is partly based on already existing collaborations between the partners, **will offer exceptionally broad, high-quality and well coordinated training possibilities in scientific, technical and practical training. Complementary training courses on general topics like safety, project management, how to apply for positions in academia and industry, science & society, etc., are given at most of the partner institutes and will be accessible for all trainees.**

Table: Tentative schedule of network meetings and training events

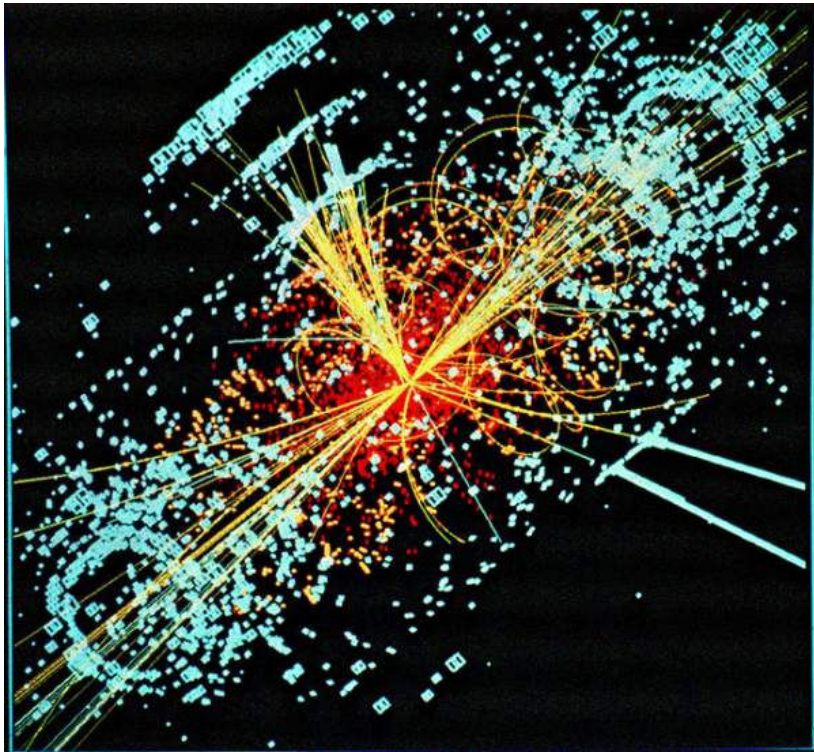
	Milestones	Dates (months after start)	Deliverables
1.	Kick-off meeting	m1-m2	Protocol
2.	Network training events	m9, m18, m30	Training certificates
3.	Open training events	m12, m24, m36	Training certificates
4.	Annual meetings	m12, m24, m36	Proceedings, annual reports
5.	Closing meeting	m48	Report, recommendations

Our funding allows us to invite to every training event ~20 external participants.

From the analysis of the Cracow questionnaires:

Suggested topics – the most often mentioned:

- **detector simulation**
- **data analysis**



New format:

Combine lectures and tutorials to interactive units.



Possible next training event ...



Setting up, running and analyzing a small but real experiment in a pion beam at PSI

$$\text{Measure } R = \frac{\pi \rightarrow e\nu}{\pi \rightarrow \mu\nu}$$

Beam time has been requested for 2 weeks (20/9 – 3/10 2010).

Organizer: Tilman Rohe (PSI)



Many, many thanks to

- Robert Klanner and the Hamburg team for the initiative and overall coordination of this training event.
- Tilman Rohe, Olaf Behnke, Gero Flucke, Thomas Schoerner-Sadenius, John Apostolakis, Andreas Schaelicke, Andrea Dotti, Vladimir Ivantchenko for the lectures and tutorials.
- Many thanks to the local students for their help in setting up and running the event.
- the University of Hamburg, DESY (Zeuthen and Hamburg) and the Helmholtz Allianz for their support of this event,
- and not to forget ... the European tax payers !