

# DITANET

Conference on Beam Diagnostics

*Carsten P. Welsch*



# Conference Summary

- Very broad R&D program at limits of technology;
- Many conference proceedings already submitted, consider publishing extended version in PRST-AB;
- All presentations are available via CERN indico  
135831

Reminder: Future events – get involved !

# Prizes

...and the winners are:

Best conference poster:

Best conference talk:

DITANET 2011 award:

# DITANET: Main aims

- Training of fellows through cutting-edge research;
- Improve their career perspectives, impact positively on their employability:
  - React to challenges from global labour market;
  - Contribute to reaching EU objectives (Lisbon);
  - React to changes induced by Bologna process.
- Close collaboration with industry partners;
- Initiate new community events;
- Secondment program between countries/sectors.

# Impressions



# Sneak Preview



**LA<sup>3</sup>NET**

## Open Positions with the LA<sup>3</sup>NET Project

**Lasers have become increasingly important for the successful operation and continuous optimization of particle accelerators.**

Laser-based particle sources are well suited for delivering the highest quality ion and electron beams, laser acceleration has demonstrated unprecedented accelerating gradients and might be an alternative for conventional particle accelerators in the future, and without laser-based beam diagnostics it would not be possible to unravel the characteristics of many complex particle beams. Within LA<sup>3</sup>NET, laser applications for particle accelerators will be developed within an international network.

The network is currently aiming to recruit a pool of talented, energetic, strongly motivated, early stage researchers with a degree in physics or a closely related field. Possibilities for enrolling into a PhD program exist. Women are especially encouraged to apply.

Each researcher will benefit from a wide ranging training program that will take advantage of both local and network-wide activities, as well as of schools, conferences, and workshops. Excellent salaries will be offered. Most positions are for starting in spring 2012.

**Application deadline: January 6<sup>th</sup> 2012**

You will find more information about LA<sup>3</sup>NET, all research projects and the application details at:  
<http://www.liv.ac.uk/la3net>

**Contact and further detail:**  
Carsten P. Welsch  
Cockcroft Institute of Accelerator Science and Technology  
University of Liverpool  
Department of Physics  
L69 7ZE Liverpool, UK  
carsten.welsch@quasar-group.org



# The Future: New Initiatives

- **L**aser **A**pplications for **A**ccelerators – **A** Marie Curie **N**etwork
  - 17 ESRs
  - 23 Partner Institutions
  - Budget: 4.6 M€
- **O**ptimization of **P**article **A**ccelerators
  - 22 ESRs
  - 22 Partner Institutions
  - Budget: 6 M€



LANET



OPAC

# Bringing the community together





# Thank you

- The organizers
- Project manager: Glenda Wall
- All partners and the DITANET trainees



Thank you for attending

**DITANET**



conference on beam diagnostics !