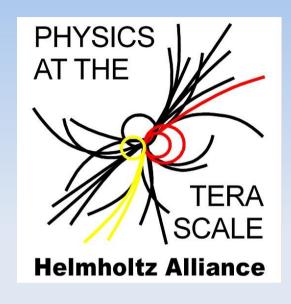
Physics at the Terascale



Strategic Helmholtz Alliance



Ian C. Brock Scientific Manager

HEP Jahrestreffen Bad Honnef 24.11.2007



Short History

Expression of Interest (31) Aug 2006

Letter of IntentNov 2006

Proposal (4)
 Mar 2007

Presentation Apr 2007

Approval (1.5)
 May 2007

Start Jul 2007

5 M€ / year for 5 years! For what?

The Alliance: Nationwide Coherence in HEP



Alliance Presentation April 2007



Universities:

- special infrastructure
- specialised expertise
- scientific diversity
- young blood

Helmholtz Centres:

- large infrastructure
- general engineering
- strategic research
- longterm support

Combine complementary strengths: share infrastructure + expertise Establish sustainable network of 17 universities, DESY, FZK

German Particle Physics @ Terascale:

a coherent nationwide organisation of research

UNIQUE CHANCE TO RE-STRUCTURE GERMAN PARTICLE PHYSICS FOR TOMORROW'S CHALLENGES

Alliance, DESY, BMBF, Universities and MPI

- Alliance funding should build common infrastructures for "Physics at the Terascale" at universities and research institutes
- Approval of Alliance reinforces DESY's position as German centre for high energy physics with new role
- Build up, pool and optimise the expertise of the partners
- Promote collaboration and cooperation between instututes, research centres, experiments, theoreticians, theory and experiment
- Funding complementary to BMBF and normal university funding

Physics at the Terascale

Grid Computing Accelerator Science Physics Analysis Detector Science Data Analysis Improved Grid ILC Detectors Optimizing the ILC Understanding LHC Detectors Virtualization Vertex Detector Acceleration Technology • Physics at the LHC Application-driven monitoring Tracking Sources The path to the ILC Development of NAF tools Calorimetry Scientific Goals Beam Dynamics Forward Detectors **Analysis Tools** Algorithms and Techniques Simulation Tools Data Storage + Retrieval (s)LHC Detectors Mass storage Vertex Detectors Data Access Tracking Theory/Phenomenology Trigger Monte Carlo Generators Luminosity Monitor Precise Predictions New Models **Analysis Network Virtual Computing Centre Advancing Accelerator Virtual Detector Lab** Alliance Working Groups • Tier 2 **Science** VLSI & Electronics Monte Carlo Group National Analysis Facility Support Sensor Design & Virtual Theory Institute High performance network Characterization Detectors Systems Support Work Packages **Analysis Centre at DESY R&D** on Grid Tools: Mass storage Collaborative & Interactive tools User friendliness **R&D Projects R&D Projects Training and Exchange Grid Training**

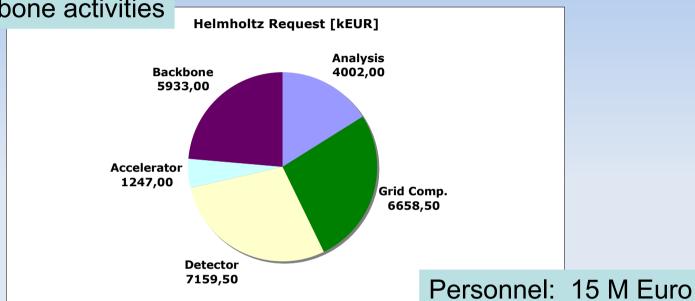
Funding

Total Budget: 73 M Euro

HGF Request: 25 M Euro

Distribution of requested funds across research topics and backbone activities

Alliance Presentation April 2007

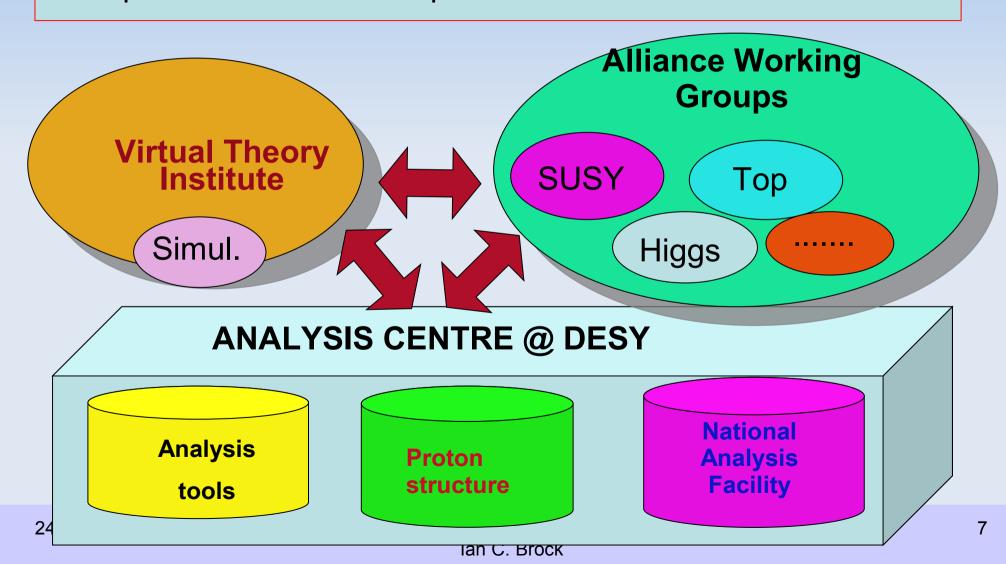


HGF funds mainly for

- young researchers (theory and experiment) and collaborative efforts assuring long-term coverage
- creation of shared infrastructures for computing and detector R&D
- develop accelerator science

Physics Analysis

- Lasting new collaborative structures for visible German impact on LHC and ILC physics
- Cooperation theorists experimentalists



Analysis Centre @ DESY

- Research and Support in:
 - Monte Carlo
 - PDFs
 - Statistical tools
 - Collaborative tools
- Workshops and training
- 6 DESY staff identified
- 4 new positions to be advertised over next year

New Positions (YIG)



The Strategic Helmholtz Alliance "Physics at the Terascale" (http://www.terascale.de) is a research network supported by the Helmholtz Associaction and comprises the research centres DESY and FZ Karlsruhe, 17 German universities, and the Max-Planck Institute for Physics. In the framework of the worldwide endeavour of studying the foundations of matter using accerelators with highest energies, the Alliance will sustainably bundle and advance the expertise and strengths of the participating



In the Institute for Nuclear and Particle Physics at TECHNISCHE UNIVERSITÄT DRESDEN In the Institute for Nuclear and Particle Physics at the Faculty of Science we have an immediate opening for a tenure track

The successful applicant will lead a "Young Investigator Group" of the Helmholtz Alliance. Helsew will be engaged in data analysis of the ATLAS experiment at the LHC as well as in detector R&D for the "International Linear Collider", LC. Close collaboration is expected with the research groups on experimental and theoretical particle physics and with the electronics lab of the institute. The candidate is expected to participate in general teaching activities of the Department of Physics and especially in teaching of the advanced level courses in "Nuclear and Particle Physics".

We are looking for applicants with a Ph.D. in experimental particle physics whose excellent achievements as a Post-Doc in an international particle physics collaboration qualify them as a leader of a "Young Investigator Group". The group will be funded from the Helmholtz Alliance.

Employment prerequisites are in accordance with the Saxony University rules and regulations (§ 46 Saxony University Statues - new version). Accordingly, the candidate will have completed a university degree, have the educational candidate will have completed a university degree, have the equational qualifications, as well as specialized knowledge in research work (normally an excellent doctorate /PhD). Junior Professors will be offered up to a four year contract. This contract, after a positive intermediate evaluation, can be extended for a total of up to 6 years (§ 45 of the Saxony University Statutes - new version). Subject to a successful final evaluation a tenured position of a senior staff scientist will be granted at the institute after the end of the Junior-Professorship.

Applications for professorships within Technische Universität Dresden are possible after the successful intermediate evaluation in line with the rules of the

Applications from women are particularly welcome. The same applies to the disabled.

Please submit your application together with your CV, your scientific employment record, list of publications, copies of the certificate of your highest academic degree and copies of 5 publications before October 15, 2007 in electronic form to prodekan@physik.tu-dresden.de (note, that currently no receipt of digitally signed or encrypted documents is possible) and in written form to:

TU Dresden. Dekan der Fakultät Mathematik und Naturwissenschaften.



Universität Karlsruhe (TH)



The Institute for Theoretical Physics at the University of Karlsruhe (TH) has an opening in Theoretical Particle Physics for the

Leader of a Young Investigator Group on Monte Carlo Development

We are looking for a theoretical physicist with expertise in collider physics and the development of parton shower and hadronization Monte Carlo programs who will head a new Young Investigator Group which is being established at the Institute for Theoretical Physics within the Helmholtz Alliance Physics at the Transcale. The applicant should have a strong research background with several years of postdoctoral experience in particle physics phenomenology and Monte Carlo development for physics at the Large Hadron Collider.

The position is funded by the Helmholtz Alliance until June 2012 and remunerated according to the TVöD regulations for scientific employees. After this date, the position may become that of a permanent scientific employee at the Institute for Theoretical Physics. The position can be filled January 1, 2008.

The University aims to increase the number of female scientists and especially welcomes applications from women. Handicapped persons with equal qualifications will be preferred

Interested candidates are requested to submit their CV, description of professional experience and a statement about past and planned research activities before **November 1, 2007**, and should arrange for two letters of recommendation. Applications should be sent to

Frau Renate Weiss Institut für Theoretische Physik Universität Karlsruhe (TH) D-76128 Karlsruhe Phone: +49 721/608-2081 Fax: +49 721/608-3582

E-Mail: dieter@particle.uni-karlsruhe.de

Findie: +4972/1006-2001 Fax. 44972/1006-3562 E-Mail: weiss@particle.uni-karlsruhe.de For further information please contact Prof. D. Zeppenfeld Phone: +49721/608-3553

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

Fakultät für Physik

The Department of Physics of Georg-August-Universität Göttingen Invites application for a

Helmholtz-Juniorprofessorship (Salary scale W1 BBesO) of Theoretical Physics, in particular High Energy Particle Physics and Phenomenology

to be filled by January 1, 2008 (temporary appointment into civil service for an initial period of 3 years with a possible extension of another 3 years)

The successful applicant is expected to do research in the fields of

Phenomenology of elementary particles and Physics at the Terascale

The objects of research are to supplement the current and future range of research topics of the group Experimental Particle Physics in the Department of Physics in the field of elementary particle physics at the Terascale (at LHC and ILC) and be closely integrated into the Helmholtz Alliance on "Physics at the Terascale". The successful candidate is expected to take part in teaching the subject of theoretical physics (Bachelor® and Master® courses) as well as the specialization subject of particle physics.

Preconditions for annointments are laid down in § 30 of the Law on Hinhe Education of Lower Saxony of February 26, 2007 (official law gazette of Lower Saxony, Nds. GVBI 5/2007, p. 69). In case the completion of the doctorate was preceded or followed by employment as an academic assistant or collaborator the period of the doctorate and the period of employment together should not

Further details can be obtained on request

We explicitly welcome applications form abroad

Under certain circumstances part-time employment is possible. Disabled persons with corresponding aptitude for the position will be favoured. The University strives to increase its proportion of female staff and expressly encourages

Applications, including a CV, a description of your teaching and research track record, a list of publications and a list or reprints of the five most important publications are requested by **October 15**, **2007** and should be sent to

Georg-August-Universität Göttinger

The Faculty of Mathematics and Natural Sciences I of Humboldt University Berlin at the Institute of Physics has an opening for a Helmholtz Junior-Professorship (W1) for "Phenomenology of Elementary Particle Physics beyond the Standard Model starting January 1st, 2008.



The successful applicant will conduct research and teaching in the area of theoretical elementary particle physics. Preferred areas of research are model building and phenomenology beyond the standard model and/or precision calculations of scattering processes with modern techniques.

The candidate is expected to meaningfully complement the existing research activities in theoretical particle physics and to support the accelerator based experimental elementary particle physics at the institute. Her/his activities should be closely integrated into the Helmholtz-Alliance 'Physics at the Tera Scale□ Cooperations with DESY, Zeuthen and the Collaborative Research Center 647 Space-Time-MatterD are desired. The successful applicant is expected to participate in the general teaching duties of the institute at the undergraduate and graduate level in the subject of theoretical physics.

Applicants have to fulfil the employment requirements for junior-professors according to Berlin University law §102a.

Humboldt University Berlin intends to increase the number of women in research and teaching and particularly encourages female scientists to apply. Applications of scientists from abroad are particularly welcome. In case of equal qualifications handicapped applicants will be favoured.

Please submit your applications including the standard documents along with a short research statement referring to opening number JP007/07 to the

Dean of the Faculty of Mathematics and Natural Sciences I, Prof. Dr. Limberg, Unter den Linden 6, D-10099 Berlin, Germany. Deadline is **October 1, 2007**. For further information on junior-professorships as well as on the tenure track procedure for a possible W2/W3 professorship appointment see http://forschung.hu-berlin.de/research/young_scientists/juniorprofessuren/

5 YIGs (Ads 08/07)

- HU Berlin
- Dresden
- Göttingen
- Karlsruhe
 - Selection complete
- Wuppertal (11/07)
- 4 of the positions are tenure-track

New Positions (Fellows)



The Strategic Helmholtz Alliance "Physics at the Terascale" (http://www.terascale.de) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German Universities and the Max-Planck Institute for Physics, Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.

The Strategic Helmholtz Alliance "Physics at the Terascale" invites applications for several postdoctoral fellowships in particle physics theory, experimental particle physics and detector development. The Alliance Fellowships are intended to further the careers of individuals of outstanding potential and offer the opportunity to pursue research for a period of up to five years. Applicants must have a Ph.D. and have proved their ability as an individual and independent researcher

Particle Physics Theory

- a) Phenomenology beyond the Standard Model (in SUSY and non-SUSY theories, including also aspects of model building)
- b) Precision calculations and the development of dedicated higher-order Monte Carlo programs (Standard Model predictions, fieldtheoretical and calculational methods)
- c) Monte Carlo generators (multi-purpose Monte Carlo programs, including parton showering, hadronisation, etc.)

Applicants are encouraged to provide a preference list of up to three host institutes chosen from

> University Bonn (a. c) University Dortmund (a) University Freiburg (a, b, c) University Hamburg (a, b) University Karlsruhe (a. h) University Mainz (a, b) University Würzburg (a, b)

where the corresponding research fields are indicated in parentheses. Applicants should arrange for two letters of recommendation to be sent to the address below. Preference will be

Experimental Particle Physics

with a focus on analyses of data from the Large Hadron Collider LHC in the research areas

- a) Precision measurements of the top quark
- b) Search for the Higgs Boson at LHC c) Search for extensions of the Standard Model
- such as supersymmetry or large extra dimensions
- d) Development of experimental analysis techniques such as high-level graphical analysis tools, statistical tools and novel techniques for detector calibration
- e) Contributions to the development of Monte Carlo generators

Applicants are invited to provide a preference list of up to three host institutes chosen from

RWTH Aachen (a, d) DESY (a)
University Freiburg (b, c)
University Hamburg (c, d) University Karlsruhe (c) University Mainz (c. d) University Siegen (b. e)

where the corresponding research fields are indicated in parentheses. Please give the names of two persons who can provide further information about the candidate. Closing date for applications is 31 December 2007.

Detector Development with a focus on the research areas

RWTH Aachen: Besearch and development for HWI H Aacnen: Hesearch and development for the SLHC upgrade of the CMS tracker with a focus on electronics system design, in particular improved powering schemes. The fellow will work in the RWTH Aachen CMS group which played a key role in the development and construction of the CMS tracker.

University Göttingen: The fellow is expected to take a leading role in the development of modern particle physics detectors with an emphasis on the upgrade of the ATLAS pixel

University Heidelberg: The Kirchhoff-Institut für Physik is seeking a research fellow to work on the upgrade of the ATLAS level-1 calorimeter trigger to cope with the conditions imposed by a possible LHC luminosity upgrade. Experience in trigger related studies is required.

Applicants are encouraged to indicate their

provide further information about the candidate. Closing date for applications 31 December 2007.

Applications should include a letter of application, CV, academic records as well as a list of publications and should be addressed to Prof. Ian Brock (Scientific Manager of the HGF Alliance) DESY, Notkestrasse 85, D-22607 Hamburg, [Ian.Brock@desy.de].

The particle theory group of the Department of Physics at the University of Siegen has an opening for a

Helmholtz Research Fellow (Tenure Track) for Particle Physics Phenomenology

We are looking for a theoretical physicist with substantial postdoctoral expertise in high-energy collider physics, in particular in the phenomenology of electroweak interactions or of new physics beyond the Standard Model. The position is funded by the Helmholtz Alliance "Physics at the Terascale" until June 2012 and remunerated according to the TVL regulations for public sector employees. Based on an evaluation of the candidate's scientific record which is scheduled after three years, the ition may subsequently become that of a permanent scientific employee of the University of Siegen.

The particle theory group at Siegen has interests in the areas of collider phenomenology, flavour physics, QCD and Monte Carlo development. The experimental particle physics group is involved in ATLAS and ILC. The university intends to increase the number of female scientists and encourages applications from women. Handicapped persons will be favoured in case of equal qualification.

Interested candidates should arrange for two letters of recommendation interested canoidases should arrange for two leuters of recommendation and submit their application including CV, list of publications, and a statement on past and future research, no later than 31 **December 2007** to Prof. Ian Brock (Scientific Manager of the Helmholtz Alliance) DESY, Notkestrasse 85, D-22607 Hamburg, (lan.Brock@desy.de).

Prof. Wolfgang Kilian (kilian@hep.physik.uni-siegen.de

Wuppertal have an opening for a

for Monte Carlo Development

The candidate should participate in the development and verification of Monte Carlo generators for accelerator-based high-energy physics experiments. He/she should play a leading role in the planned Monte Carlo network in Germany and should have a thorough understanding of the theoretical basis of event generators as well as the experimental applications and demands. Significant experience in the use of Monte Carlo generators in particle physics is required. Demonstrated collaborations with experimental as well as theoretical physicists would be very welcome.

The salary will follow that of the TVL regulations for public sector employees at the level of E13. The candidate may be offered a permanent position after four years.

Interested candidates should arrange for two letters of recommendation and interested cardioactes should arrange for two letters of recommendation and submit their application including CV, list of publications, and a statement on past and future research, no later than 31 December 2007 to Prof. Ian Brock (Scientific Manager of the Helmholtz Alliance) DESY, Notkestrasse 85, D-22607 Hamburg, (lan.Brock@desy.de).

For further information, please contact: Prof. Peter Mättig (peter.mattig@cern.ch) or Prof. Robert Harlander (Robert.Harlander@physik.uni-wuppertal.de

8 expt. fellowships

9 theory fellowships

3 detector fellowships

2 long-term positions

Siegen + Wuppertal

 2 selection committees for all positions

Detailed descriptions of the positions are available at http://www.terascale.de or from the Scientific Manager of the Helmholtz Alliance

Monte Carlo Network Virtual Theory Institue

- Expand and coordinate MC activities in Germany:
 - Analysis centre DESY (2+ positions)
 - YIG in Karlsruhe
 - Siegen + Wuppertal longterm positions
 - Freiburg, Würzburg, Siegen fellows

- VTI:
 - Improve collaboration between theorists, phenomenolgists and experimentalists
 - Common seminars start in 2008

Grid

- Provide resources to make Grid in Germany competitive
 - further boost for hardware through extra D-Grid funding
- Combine Grid expertise at FZK and DESY with universities
 - more Tier-2 responsibility located at universities
- NAF
 - Make the grid more accessible for the users
 - Desktop ↔ Grid
 - Provide computing power for high priority analyses
 - ...

More discussion at the Kick-off Workshop 3-5 Dec

Detectors

- Build up infrastructure in Bonn, DESY, Heidelberg (AC, HH, K) for use by all alliance partners
 - Manpower
 - Build up and pool expertise
 - Hardware
 - Build up and pool facilities
- Geared to SLHC & ILC detector development
- Some funding for start-up projects

New Positions



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As part of the alliance the "Virtual Institute for Detector Technologies (VLDT)" will be created by a number of universities and DESY and will provide basic detector development support, and in particular facilities for the development of complex front end electronics and semi-conductor detectors. Within the VLDT the following positions for engineers and technical physicists are available.



The University of Bonn plans to develop a facility for detector instrumentation and associated front end electronics. The facility will serve research projects both from partners within the Helmholtz Alliance and the Institute of Physics. The University has

Physicist (Ph.D.) (A13/ A14)

to head this laboratory. He/She should have several years of experience in the development of particle physics detectors and instrumentation as well as in electronics. We expect leadership ability and experience in the management of highly collaborative projects for the LHC and ILC detectors. Applicants should also be interested in training students and visiting researchers; and a

Physicist/ IC designer (E13)

We are searching for IC designers with several years experience in analogue and digital design of ASIC chips and their application. Applicants must have expert knowledge in IC design tools (CADENCE, SPECTRE, VERILOG or similar) and practical experience in chip testing. For details about these job opportunities please contact wermes@uni-bonn.de or desch@physik.uni-bonn.de



DESY will provide general detector development support services to members of the Helmholtz Alliance in the area of detector engineering and test beam support. To strengthen its team DESY has openings for

Two Physicist / Engineer (E12/ E13)

We are seeking candidates with a strong interest and background in detector design and detector building. The persons should become key members of a team at DESY in the context of the Helmholtz Alliance to support detector development for future projects in high energy physics (sLHC and ILC). They should have knowledge in mechanical engineering and/or electronics engineering, and modern CAD systems. Ideally they should be interested to work within large international projects. We welcome applications by engineers as well as by technically oriented physicists. Willingness to travel and to spend longer periods away from DESY will be required. The positions are initially limited to three years. For details about these job opportunities contact Ties.Behnke@desy.de



The University Hamburg will provide support for Alliance members to study the radiation properties of detector materials. The University has an opening for a

Physicist (E13 TV-L)

to support the activities of the Helmholtz Alliance at Hamburg. The candidate will work primarily on the development of radiation hard silicon for sensors to be used for particle physics (sLHC and ILC) and photon research. The work includes support for irradiation campaigns (hadrons, electrons and photons) for novel silicon materials, material characterisation, the study of microscopic radiation damage, defect kinetics and their relation to macroscopic damage parameters. For details about these job opportunities please contact Robert.Klanner@desy.de at the Detector Laboratory of the Institute for Experimental Physics, Hamburg



The Heidelberg ASIC Laboratory located in the Kirchhoff-Institut für Physik at the Ruprecht-Karls-Universität Heidelberg will extend its scope to support scientists and Ph.D. students in the area of analogue and mixed-signal VLSI component and system design and test. The institute has openings for

Two Physicists / Engineers

for the design of integrated microelectronics, in particular analogue and mixed-signal circuits, An excellent knowledge of state-of-the art design- and simulation tools is required; and for the design and test of complex electronic circuits employing ASICs and FPGAs. Practical experience in electronic circuit design and construction is required. Both positions are located in the existing ASIC laboratory for microelectronics. They are immediately available and will be limited until 30.6.2012. For details about these job opportunities please contact mejerk@kip.uni-heidelberg.de



Universität Karlsruhe (TH)

The University of Karlsruhe will setup a service facility at the "Institut für experimentelle Kernphysik" enabling irradiation studies of prototype detectors. The institute has an opening for a

Physicist (Ph.D.)

Required is experience with the development, construction and operation of particle detectors with high spatial resolution for High Energy Physics experiments. The successful candidate will setup and lead the service facility as part of the Helmholtz Alliance. The irradiation programme is part of an R/D activity to develop detectors for the sLHC and ILC and uses as facilities the Cyclotron at the Forschungszentrum Karlsruhe and the X-Ray station of the institute. The position is vacant and initially limited to June 30, 2009. For details about these job opportunities please contact mullerth@ekp.uni-karlsruhe.de

The full text of the advertisements is available under http://www.terascale.de or by contacting the addresses given above. Applications with the normal supporting documents should be directed to the Universities and Research Centres where the individual jobs are Incated

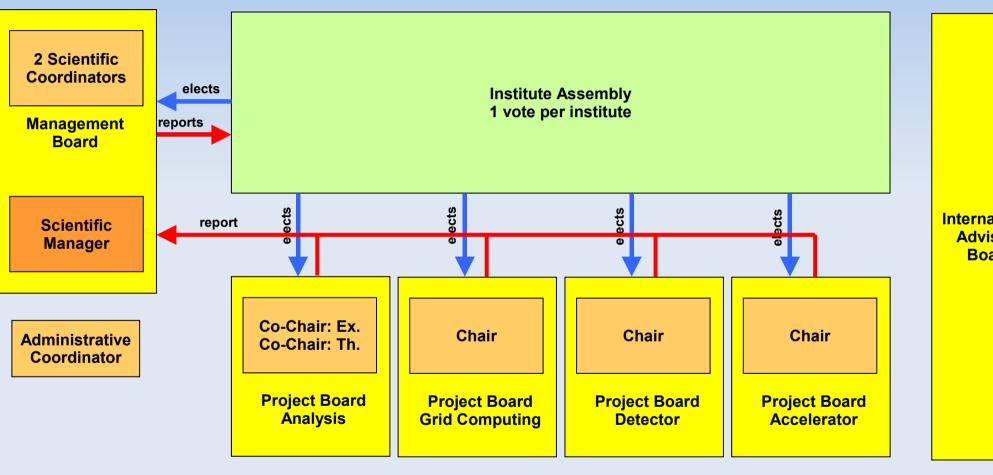
8 Detector Infrastructure

- Bonn
- DESY
- Hamburg
- Heidelberg
- Karlsruhe
- Gradually being filled

Accelerators

- Involve more university groups in accelerator research
 - teaching + schools
 - establish a YIG for accelerator research
- Support PhD students

Management





Who's Who?

Management

Scientific Coordinators

Scientific Manager

lan Brock

Rolf-Dieter Heuer DESY

rolf-dieter.heuer@desy.de

Peter Mättig Wuppertal

peter.mattig@cern.ch

ter heuer@desv de

ian.brock@desy.de

Bonn

Administrative Coordinator

Karsten Büßer DESY

karsten.buesser@desy.de

Secretary

Michaela Grimm DESY

michaela.grimm@desy.de

Management Board

Klaus Desch

ngfa-mb@desy.de Bonn

desch@physik.uni-bonn.de

Gregor Herten Freiburg

herten@uni-freiburg.de

Joachim Mnich DESY

joachim.mnich@desy.de

Dieter Zeppenfeld Karlsruhe

dieter@particle.uni-karlsruhe.de

Scientific Coordinators Scientific Manager

Administrative Coordinator Project Board Chairs

International Advisory Board

Kors Bos Bernhard Spaan
Jim Brau James Stirling
Brian Foster Tejinder Virdee
Peter Jenni Sakue Yamada

Project Boards

Analysis	hgfa-pb-ana@desy.de	Detector	hgfa-pb-det@desy.de
Stefan Dittmaier	MPI München	Ties Behnke	DESY
	dittmair@mppmu.mpg.de		tapprogg@uni-mainz.de
Herbi Dreiner	Bonn	Lutz Feld	Aachen
	dreiner@th.physik.uni-bonn.de		feld@physik.rwth-aachen.de
Michael Krämer	Aachen	Ariane Frey (Chair)	MPI München
(Theory Chair)	mkraemer@physik.rwth-aachen.de		ariane@mail.cern.ch
Klaus Mönig	DESY	Robert Klanner	Hamburg
(Experiment Chair)	klaus.moenig@desy.de		robert.klanner@desy.de
Peter Schleper	Hamburg	Karlheinz Meier	Heidelberg
	peter.schleper@physik.uni-hamburg.de		meierk@kip.uni-heidelberg.de
Markus Schumacher	Siegen	Thomas Müller	Karlsruhe
	markus.schumacher@hep.physik.uni-siegen.de		mullerth@ekp.uni-karlsruhe.de
		Stefan Tapprogge	Mainz
			tapprogg@uni-mainz.de
		Norbert Wermes	Bonn
			wermes@physik.uni-bonn.de

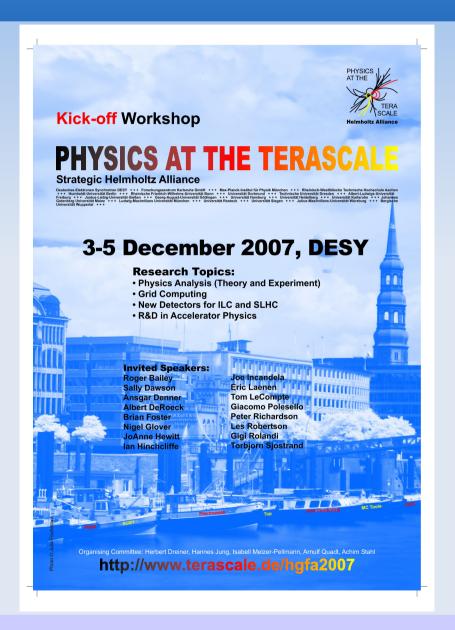
Grid	hgfa-pb-grid@desy.de	Accelerator	hgfa-pb-acc@desy.de
Günter Duckeck	LMU München	Eckhard Elsen (Chair)	DESY
	guenter.duckeck@physik.uni-muenchen.de		eckhard.elsen@desy.de
Volker Gülzow	DESY	Shaukat Khan	Hamburg
	volker.guelzow@desy.de		shaukat.khan@desy.de
Andreas Heiss	FZK	Wolfgang Hillert	Bonn
	andreas.heiss@iwr.fzk.de		hillert@physik.uni-bonn.de
Thomas Kress	Aachen	G. Müller	Wuppertal
	thomas.kress@cern.ch		gmueller@uni-wuppertal.de
Günter Quast (Chair)	Karlsruhe	Jörg Rosbach	DESY
	gunter.quast@cern.ch		joerg.rossbach@desy.de

Information about the Alliance

- www.terascale.de
- Should provide information on
 - who's who?
 - what is going on,
 - what is planned,
 - what is available and where to find it

- Research Topics
 - Analysis, Grid,
 Detector, Accelerator
- Career
 - Job offers
- Workshops & Schools
- Internal (allianz)
 - Documents
 - Minutes
 - IA, MB, PB

Kick-off Workshop



- The physics and research projects
 - International speakers
- The alliance
 - Presentations from project boards + management
- 255 registered participants so far

Schools and Workshops

- Heraeus Workshop
 - 27-30/04/2008 Bad Honnef
- Accelerator school
 - 10-14/02/2008 DESY
- Detector workshop
 - 03-04/03/2008 Karlsruhe
- LHC-D Workshops
 - Top 08-09/02/2008

- Planned for 2008
 - Network + dCache
 - Monte Carlo school
 - Statisitics tools
 - Experiment specific software

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Conclusions

- The Strategic Helmholtz Alliance "Physics at the Terascale" (http://www.terascale.de) is a research network supported by the Helmholtz Association and comprises the research centres DESY and FZ Karlsruhe, 17 German Universities, and the Max-Planck Institute for Physics.
- Within the framework of the worldwide investigation of the fundamental properties of matter using accelerators at the highest energies, the Alliance will sustainably concentrate and advance the expertise and strengths of the participating institutes.
- This is what we advertise! To make it work we need all groups to participate in and actively promote the idea
- A good start has been made lot's is still to be done!
- Kick-off Workshop 3-5 Dec 2007, DESY

Institute Assembly (Next Meeting 4.12.2007)

DESY	Ties Behnke	FZK	Andreas Heiss Holger Marten
Aachen	Michael Krämer Achim Stahl	Heidelberg	Karlheinz Meier
Berlin	Hermann Kolanoski Thomas Lohse	Karlsruhe	Thomas Müller Dieter Zeppenfeld
Bonn	Klaus Desch Herbi Dreiner	Mainz	Stefan Tapprogge Stefan Weinzierl
Dortmund	Claus Gößling Gudrun Hiller	München	Guenter Duckeck Dorothee Schaile
Dresden	Michael Kobel	Rostock	Michael Beyer Henning Schröder
Freiburg	Gregor Herten Jürgen Reuter	Siegen	Wolfgang Kilian Markus Schumacher
Giessen	Michael Düren Hasko Stenzel	Würzburg	Werner Porod Thomas Trefzger
Göttingen	Arnulf Quadt	Wuppertal	Robert Harlander Christian Zeitnitz
Hamburg	Robert Klanner Bernd Kniehl	MPI München	Siggi Bethke Ariane Frey

Further Positions

- PhDs started:
 - Bonn, Hamburg
- Technical
 - Dresden, Heidelberg, Karlsruhe
- Outreach
 - Selection complete

- Analysis Centre
 - K. Mönig interim head
 - DESY staff identified
 - New positions to be advertised soon
- NAF
 - Concept + more detailed planning at Kick-off workshop