Future of the Analysis Centre

... and status, questions, criticisms ...

Thomas Schörner-Sadenius 🛞

DESY Hamburg 8 November 2010







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... and status, questions, criticisms ...

No discussion of single projects – this will happen for the individual groups.

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WHY IS THE CENTRE USEFUL AND NEEDED?



- Potential for support of general-purpose activities.
 - Organisation of dedicated workshops ("Single-top", "MPI", ...).
 - Starting initiatives like "unfolding" project.



- Organising (limited, DESY) dedicated manpower (TMVA, Roostats, MC studies of "ridge")
- Contacts and connections \rightarrow identify interesting topics and organise collaboration.
 - Wanted / needed?
 - Role of DESY compared to CERN? Of TSS compared to Mangano/LPCC?



- > Organisation of schools, training events and workshops for the entire community.
 - Considered (the only?) one strong point.
 - From time to time external requests for support / organisation etc.



- Original proposal: Analysis support / connection to NAF.
 - Nothing so far frameworks, data combination etc. not wanted/needed, mostly at CERN. But need stronger involvement with NAF?
- > Collaborative tools???? What (documentation, data bases, MOSIS)? Manpower?
- Position of Leader of Analysis Centre:
 - Needed to keep things together and push further?



NEEDED TO MAKE IT A SUCCESS?

- > Need to realise that substantial progress only with substantial (DESY) manpower.
 - LPC@FNAL: 6 (dedicated) fellows per year
 - Definite contributions from universities to be expected? Concept of forming additional project teams from interested people from all sides failed/difficult?
 - Re-consider own group "Alliance" at DESY? (later)
 - Consider more dedicated resources (manpower) for Analysis Centre?
- > Need to work project- and "brand"-driven.
 - Directions to be set not only by interests of individuals. Individual versus "DESY / Alliance" branding?
 - Consider finalisation, implementation and promotion of products.
 - Need sufficient resources to have short-term impact on upcoming issues.
- > Concretely: re-organisation and "Experimental / Pheno Centre" (later)
- > Time! LPC@FNAL took 5 years to get started.
 - Impression: Increase in organisation (workshops etc.) requests and questions.
 - Some interest from other players (LPCC) \rightarrow danger of promising more than we can keep.



OPEN QUESTIONS? FAILED EFFORTS?

> Lots!

- > Project X based at university Y: Connection to Alliance? No convincing use-cases.
- > Networking idea (MC network, statistics network): Failed?
- > Mentalities?
 - Theorists + experimentalists who don't collaborate?
 - Examples: PDFs ABKM+HERA-PDF; MC common CMS+ATLAS studies; etc.
- > Experiment-independence?
 - Want to be forum between theory/ATLAS/CMS but not allowed to talk?
 idea of network across experiments failed?
- > CERN attracts all interesting activities no use-case for doing things at DESY?

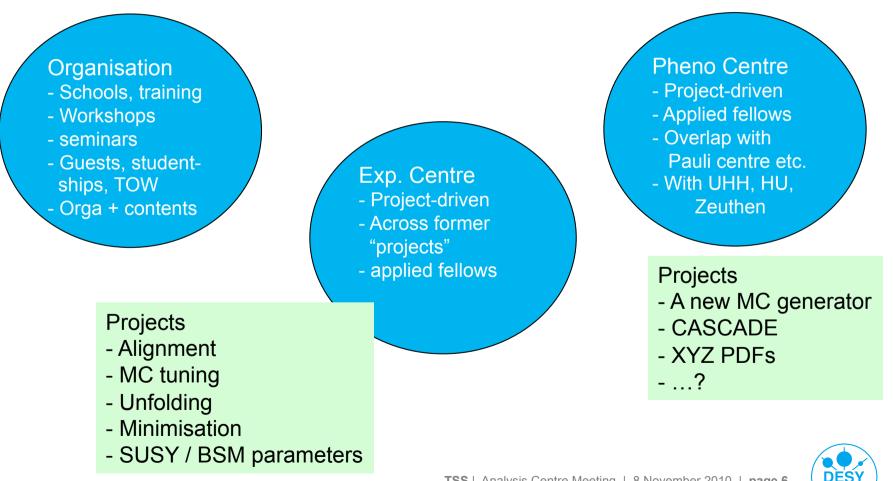
> Failed efforts?

- > Some of the "Analysis Working Groups"?
- > Theorist of the week?
- > Analysis Centre studentships?
- > Attraction of fellows?
- > Analysis Centre seminar?



PROPOSAL

Physics and Data Handling Centre



PORTFOLIO TOPIC "PHYSICS AT THE TERASCALE"



Antragsskizze für ein Portfoliothema

PHYSIK AN DER TERASKALA

der Helmholtz-Zentren

Deutsches Elektronen Synchrotron (DESY) und

Karlsruher Institut für Technologie (KIT)

mit den vorgesehenen Partnern

Rheinisch-Westfälische Technische Hochschule Aachen	Humboldt-Universität zu Berlin	
Rheinische Friedrich-Wilhelms-Universität	Technische Universität Dortmund	
Bonn		
Technische Universität Dresden	Albert-Ludwigs-Universität Freiburg	
Justus-Liebig-Universität Gießen	Georg-August-Universität Göttingen	
Universität Hamburg	Ruprecht-Karls-Universität Heidelberg	
Johannes Gutenberg-Universität Mainz Ludwig-Maximilians-Universität Mü		
Universität Regensburg	Universität Siegen	
Julius-Maximilians-Universität Würzburg	Bergische Universität Wuppertal	

und dem Max-Planck-Institut für Physik München.

Start 1. Juli 2012

- > Structural proposal taken over.
- > Promised potential for quick organisation of resources (manpower and money) for upcoming topics.
- > Details not yet fixed here.



Koordinierender Sprecher: Prof. Dr. Joachim Mnich (DESY)

SIDE REMARK: PHENO CENTRE

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