

1st High-D consortium meeting: Closing Remarks

- * High-D: 1st BMBF consortium on generic detector R&D that links two communities: HEP and Hadron&Nuclei Physics
- * This kind of generic R&D is vital for the future of our fields
- * 1st consortium meeting: „kick-off“ (High fraction of attendance! Monday (41/39), Tuesday (38/35) (54 high-d@desy.de subscribers)
- * Many thanks for the introductory talks to the four sessions and the presentations on very exciting projects and already impressive results!
- * We've learnt about the variety of detector R&D fields, projects, and People from the two communities
- * Have seen nice examples how projects profit from collaboration btw groups of different background and expertise

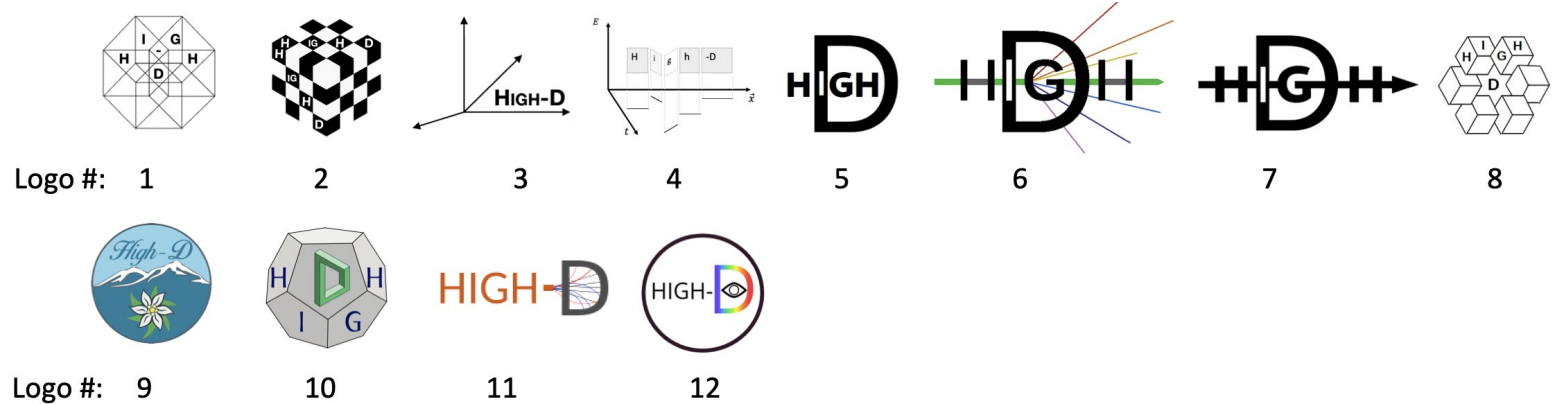
First High-D consortium meeting: Closing Remarks

After this kick-off:

- * You are encouraged to profit from this consortium by transfer of knowledge, tools, technology, measurement set-ups, ...
- * Do not hesitate to contact other people inside the consortium in case you have questions or comments to make!
You can use high-d@desy.de as one communication channel.
- * We like to encourage especially the students building up a community
E.g. mattermost/something similar is a useful communication channel for exchange, collaboration, etc.
- * If you are interested in specific topics, we could think of organizing a seminar or invite you to existing seminar series.

High-D logo competition

Proposals



Voting result:	1	2	3	4	5	6	7	8	9	10	11	12	Sum
	5	1	3	1	8	9	5	1	5	3	9	4	54
					8	9					<u>16</u>		

From now on: Use always **HIGH-D** in High-D related presentations

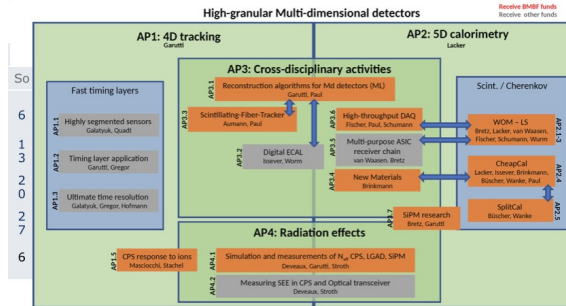
In all High-D related publications: Please acknowledge always support by BMBF via High-D (sentence will be provided soon on webpage)

Web Page(s)

Static web page with mandate and structure of consortium

(not updated very often): <https://www.physik.hu-berlin.de/de/eophys/genericdetectornd/rnd2>

Humboldt-Universität zu Berlin | Mathematisch-Naturwissenschaftliche Fakultät | Institut für Physik | Experimentelle Elementarteilchenphysik | Generic Detector R&D



Future accelerator-based experiments at the energy as well as at the intensity frontier for Higgs-boson precision measurements and the search for physics beyond the Standard Model as well as for the study of the gluon-quark plasma and the exploration of the QCD phase diagram require a novel generation of high-precision detectors of unprecedented spatial, time and energy resolution. The requirements on such 5-dimensional (5D) measurements can only be achieved by combining detectors with extreme granularity and using new reconstruction techniques. A higher segmentation is achieved by novel microelectronics technologies, novel semi-conductor designs, new segmentation concepts, and novel readout electronics. These developments at the detector side require novel algorithms that exploit efficiently the provided 5D information and that go beyond the individual detector by complementing all detector components in order to guarantee optimal precision at the reconstruction level.

Participating Institutes

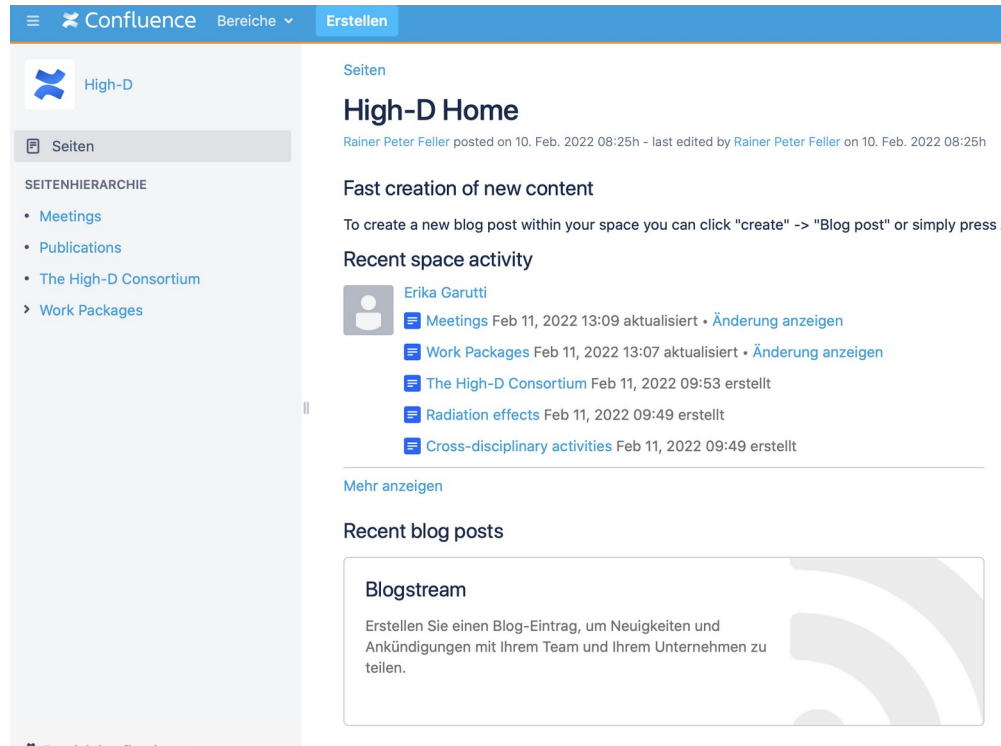
- HU Berlin (Lacker: AP2.1, 2.2, 2.3, 2.4; Issever, Worm: AP3.2)
- Universität Hamburg (Garutti: AP1.2, 3.1, 3.7, 4.1)
- TU Darmstadt (Galatyuk: AP1.1, 1.3; Hofmann: AP1.3)
- GSI (Galatyuk: AP1.1, 1.3; Deveaux: 4.1, 4.2)
- U Göttingen (Quadt: AP1.1)
- U Bonn & DESY (Gregor: AP1.1, 1.3)
- U Heidelberg (Stachel: AP1.5; Masciocchi (& GSI) : 1.5)
- U Frankfurt a. M. (Stroth: AP4.1, 4.2)
- TU München (Paul: AP3.1, 3.3, 3.6, 2.4)
- ALU Freiburg (Schumann & Fischer: AP3.6, 2.1)
- U Duisburg-Essen & ZEA-2 Jülich (van Waasen: AP3.5, 2.1)
- RWTH Aachen (Bretz: AP3.5, 3.7, 2.1)
- U Giessen (Brinkmann: AP3.4, 2.4)
- JGU Mainz (Wurm: AP2.1, 2.2, 2.3; Büscher & Wanke: AP2.4, 2.5)

Events

- Annual High-D collaboration meeting 2022

Web Page(s)

Living web page updated from Consortium members
<https://confluence.desy.de/display/HIGHD/High-D+Home>



The screenshot shows the Confluence interface for the 'High-D' space. The top navigation bar includes 'Confluence', 'Bereiche', and 'Erstellen'. The left sidebar shows the 'High-D' logo and a 'Seiten' (Pages) section with a hierarchy: Meetings, Publications, The High-D Consortium, and Work Packages. The main content area is titled 'High-D Home' and includes a post by Rainer Peter Feller. Below this, there are sections for 'Fast creation of new content', 'Recent space activity' (listing updates to Meetings, Work Packages, and new pages like 'Radiation effects' and 'Cross-disciplinary activities'), and 'Recent blog posts'. A 'Blogstream' section at the bottom encourages users to create blog entries to share news with their team and company.

Please define at least one member per institute who takes care
(apply for DESY account affiliated to confluence High-D)

Documenting what we are doing

- * Please provide presentations, publications, pictures of your activities, nice-to-show results, etc.
in the context of High-D to our Confluence Webpage
- * It will support building up a community by information exchange
- * It will enormously help reporting on the success of the consortium in intermediate/final reports and to the outside world!

(Success in this Funding Period may pave the path to Funding in the next Funding Period starting in July 2024!)

Next consortium meeting

Two consortium meetings/year („virtual“)

General structure:

1 day for plenary & cross-links

1 day for the AP sessions

Date of 2022-2 not yet fixed; approximate period:

End of August/Beg. of September 2022

We expect then to see plenty intermediate scientific status reports from the different work packages

„Farewell“

In pre-pandemic times, consortium meetings were usually face-to face.

Spokesperson at this point wished a safe trip home.

We (Heiko and Erika) wish to all of you instead:
Stay healthy and stay in touch,
and looking forward to your progresses
until the next consortium meeting!