

Seminar Programme

Taskforce

Retreat Follow-up, 14 December 2022

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Scope and Goals

From the Mandate

- The DESY FH programme has grown organically over the past decades and does not yet reflect the new post-COVID opportunities of including virtual lectures.
- Goals of seminars:
 - inform and inspire the local researchers about new developments
 - foster discussions between researchers in different groups
 - provide platform for detailed discussions (technical and physics)
 - educate the early career (and all other) researchers
 - provide opportunity for researchers from different groups to meet and to get to know each other.
 - serve as internationally (or locally) visible platform for speakers
 - provide opportunity to invite (more) external (and young) researchers to visit DESY
- Charge
 - take stock of the current seminar/colloquia programme, and quantify the number of occurrences and typical attendance and scientific coverage
 - explore the seminar programmes at peer institutions and take inspiration from it
 - conduct a survey of the needs/wishes of researchers via informal and/or organised discussions
 - define requirements of what we want from the programme
 - consider the role of online, or “hybrid”, events in “post-COVID” times
 - make suggestions on how the seminars and colloquia should be communicated
 - suggest actions for the future on what could be done after the end of the pandemic situation to offer a programme that serves all the needs.

Scope and Goals

Procedure

<https://indico.desy.de/category/937/>

Focus on cross-group seminars:

- In seminars, academic studies and their results are presented and discussed.
- A key goal is to facilitate and foster cross-group interaction and collaboration between:
 - individuals from different group in FH
 - with other DESY divisions
 - with institutes within Germany (UHH, HU, HGF) and internationally.

The previous seminar program:

- the Astroparticle and Particle Physics Colloquium: moved to online and “hybrid” during Covid
- the LHC Physics Discussions: covered LHC only
- the Pizza Seminar: was started before Covid, and then stopped
- the Instrumentation Seminar has not taken place since the start of Covid
- the Computing Seminar was discontinued several years before Covid

Recommendation:

Identified a few marked modifications to enhance coverage, participation and impact,

- to widen the range of topics and deepen the level of detail
- to improve communication and advertisements
- to cover needs for remote participation (“hybrid”)
- to improve social components

Proposed Future Programme

Seminar	Particle and Astroparticle Physics Colloquium	Particle Physics Discussions	Pizza Seminar	Instrumentation Seminar	Scientific Computing Seminar
Time slot	Weekly HH: Tue 16:00 Z: Wed 13:00	Monthly Monday 11:00	Monthly Monday ~11:30	Bi-weekly Friday 14:00 (proposed)	Bi-weekly Friday 14:00 (proposed)
Purpose	General education broad-range discussions Flagship event	FH particle physics cross-group discussion & networking	FH particle physics cross-individual discussion & networking	General education about detectors	General education about software & computing
Speaker	External expert	Internal experts	Internal or also external expert	Alternating external and internal	Alternating external and internal
Audience	All FH UHH, HU invited	40-50, topic-dependent audience	30, topic-dependent audience	30, also from UHH and FS	30, also from Terascale and FS
Co-chairs	AP	FH only	FH only	UHH and FS	possibly UHH, FS and/or Terascale
Format	One presentation 45+15	Several talks from FH groups (th + exp) on one or more topics	One talk 30+30	One presentation 45+15	One presentation 45+15
Social Program	Tee/coffee before Drinks after Dinner Possible satellite mtgs.	Possibly lunch in small group afterwards	Lunch together	Coffee&cake before and after Lunch with (external) speaker	Coffee&cake before and after Lunch with (external) speaker

Communication

Announcing and advertising

- Seminar schedule should be transparent, predictable and plannable
 - Three fixed timeslots (Mon 11am, Tue 4pm/Wed 1pm, Fri 2pm)
 - Talk schedule as much in advance as possible
- Central [indico] page for planning and announcement
 - Synoptic views of [daily], [weekly], [monthly] and [calendar] (cf. backup)
- Biweekly Newsletter
- TV screens in hallways and coffee areas
 - views could be further improved by script
 - use also for other announcements as well as machine and experiment status (LHC, KEK, DESY testbeam).
- Coherent and unique email announcements
 - max. two emails per event
 - from the same sender
 - using a coherent set of email lists
- Supervisors to advertise seminars to students - and to participate themselves

Communication

Indico calendar view

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Seminars

Events overview

< December 2022 >

Mo	Tu	We	Th	Fr	Sa	Su
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Display options

Period:
Month

Detail level:
Event

Apply

Legend

Particle and Astroparticle Physics Colloquium Hamburg

Theory Colloquium

<< < Dec 1, 2022 – Dec 31, 2022 > >>

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
5	6 16:00 Quantum Universe Colloquium - The Cement of the (Quantum) Universe: Philosophical Theories of Causation and Their Physical Applications (Thomas Kroedel) Zoom (DESY Hamburg)	7 14:30 TBA SR 2, build. 2a (DESY Hamburg)	8	9
12	13 16:30 Quantum Universe Video Colloquium - The Oceans in a Changing Climate (Stefan Rahmstorf) Zoom (DESY Hamburg)	14 13:00 Exploring the Extreme Universe with MeV to TeV Gamma-ray Observatories (Reshmi Mukherjee) Zoom (DESY Zeuthen)	15	16
19	20 16:00 First Dark Matter Search Results from the LUX-ZEPLIN experiment and future searches (Bjoern Penning) Auditorium (DESY Hamburg)	21	22	23
26	27	28	29	30

<https://indico.desy.de/category/956/overview?date=2022-12-05&period=month&detail=event>

Input from Early Career Scientists

Improve, not increase

- Several events directed at “Early-Career Scientists” already exist (PIER, QU, DOIT). Satellite events could still be interesting, e.g. introducing the theme of the colloquium, not even necessarily by the external speaker.
- Atmosphere is important. This includes social atmosphere around the seminar and availability of food and drinks, which has the additional benefit of extending the physics discussion beyond the Q&A part of the seminar.
- If ECS participation is expected, the topics should be attractive also to them. Surveys could help identify topics of interest.
- Doctoral researchers feel significant pressure to get their projects done. Common assumption that seminars are not real work. PhDs often fear that supervisors would not recognize time spent in seminars as work.
- Large email traffic about seminars and colloquia via mailing lists, leading to reduced attention. Supervisors should help advertise seminars to PhDs in-person (leading by example).

Hybrid

Best of both worlds

- In-person is required to achieve social atmosphere, mental focus, inspiration, and communication, also before and after the seminars
- However, Hybrid is (often) also a requirement:
 - connect Hamburg and Zeuthen
 - invite other institutes (HGF, Terascale, international)
 - seminars with remote speakers (e.g. AP seminar from Zeuthen)
- Hybrid issues to be mitigated
 - no straightforward solutions, success strongly depends on collective practice.
 - encourage in-person participation as much as possible. Formal registration for Hybrid participation could impose a symbolic threshold.
 - seniors have a responsibility as role models
 - communication standards for Hybrid, e.g. self-introduction of people speaking
 - high-end audio and video equipment
- Recommendation:
 - organize in-person events with Hybrid option if and when needed.
 - ensure that remote participants have good access access (acoustics and habits)

Conclusions

Recommendations

- Focus on seminars that are cross-group events.
- Interactions before and after are as important as the presentation itself - atmosphere is important.
- Communication / announcement
 - Introduced central seminar indico page
 - FH Newsletter
 - Simple, coherent email announcements
 - TV monitors
 - Seniors are role models
- In-person vs Hybrid
 - In-person attendance is a must in order to achieve the goals of a seminar program
 - At the same time, need for / benefit from Hybrid, esp. for events with or in Zeuthen, and involvement of other institutes (Terascale, HGF, international).
- Challenge: voluntary and collective decision for in-person (leading by example)

Backup



Procedure

About 10 meetings (typically 1h) [indico with slides and minutes], email follow-ups

In addition, many informal discussions with colleagues and stakeholders, in particular:

- chairs of the various seminars (some are members of the TF)
- Early Career Scientist Board chairs
- chairs of detector and scientific computing task forces

Guiding Questions:

- How can seminars and colloquia best educate, inform and inspire about scientific developments?
- How can the seminar program foster exchange between different groups?
- Which elements in the seminar program can especially encourage young researchers ?
- How can we get people back to seminar rooms when the pandemic is over?

Links

Seminar TF indico agenda (with slides and minutes)

<https://indico.desy.de/category/937/>

Central FH seminar indico:

<https://indico.desy.de/category/956>

Retreat Posters:

- Initial Results:

https://indico.desy.de/event/35763/attachments/76369/98543/2022_08_29_seminar_taskforce_poster1.pdf

- https://indico.desy.de/event/35763/attachments/76369/98540/2022_08_29_seminar_taskforce_poster2.2.pdf

Retreat Foto minutes:

<https://drive.google.com/file/d/1bBJKtLfWIU1qPmxkEKz-Xgw2Bd2e-vrK/view>

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Seminars

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Display options

Period:

Week



Detail level:

Event

Apply

Legend

< Dec 5, 2022 – Dec 11, 2022 >

Mon, Dec 5	Tue, Dec 6	Wed, Dec 7	Thu, Dec 8	Fri, Dec 9
	<p>16:00 Quantum Universe Colloquium - The Cement of the (Quantum) Universe: Philosophical Theories of Causation and Their Physical Applications (Thomas Kroedel) </p> <p>Zoom (DESY Hamburg)</p>	<p>14:30 TBA </p> <p>SR 2, build. 2a (DESY Hamburg)</p>		

<https://indico.desy.de/category/956/overview?date=2022-12-05&detail=event&period=week>

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<< < December 13, 2022 > >>

16:30 [Quantum Universe Video Colloquium - The Oceans in a Changing Climate](#) (Stefan Rahmstorf)

[Zoom \(DESY Hamburg\)](#)

Display options

Period:

Day

Detail level:

Event

Apply

Legend

<https://indico.desy.de/category/956/overview?date=2022-12-13&detail=event&period=day>