

1st Astro-COLIBRI

Multi-Messenger Astrophysics Workshop

This international workshop provides a forum for leading scientists and young researchers to foster communication within the rapidly evolving real-time multi-messenger astronomy.

[see details](#)

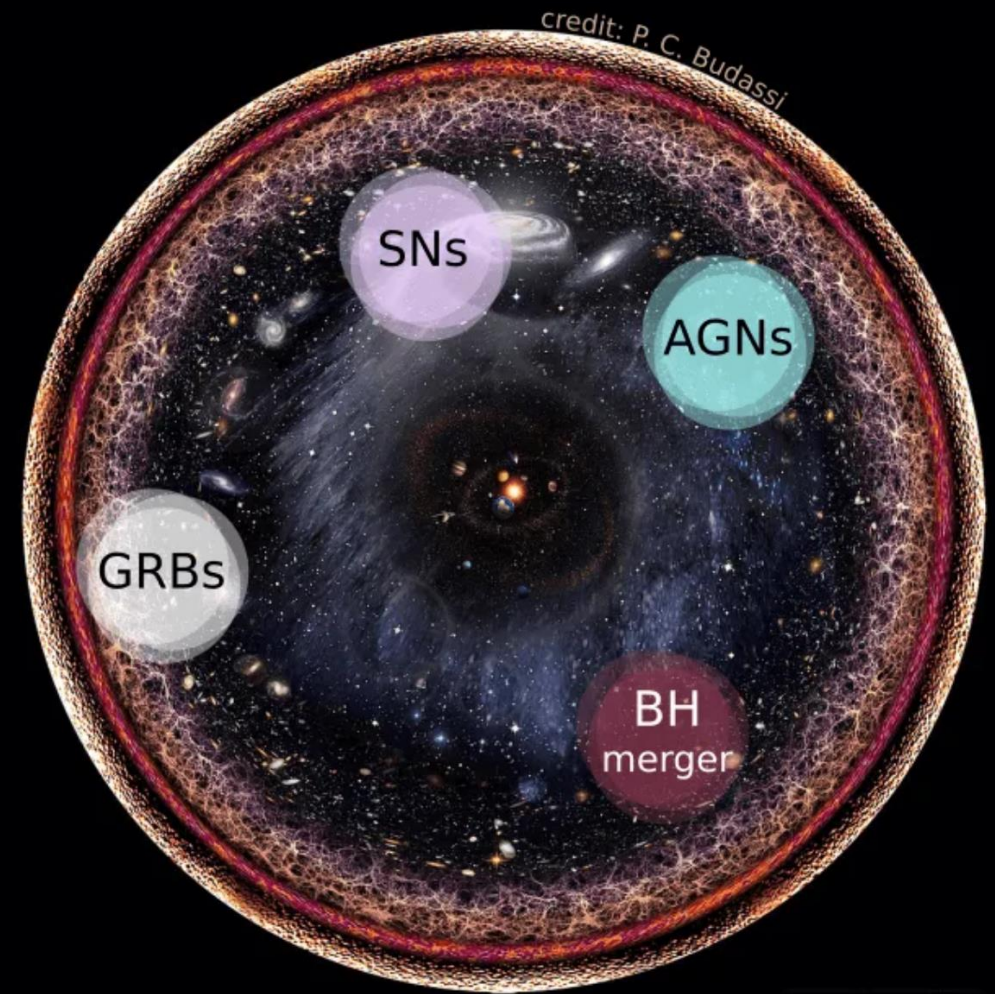
Organizers:

Patrick Reichherzer, Anna Franckowiak,
Julia Tjus, Fabian Schüssler

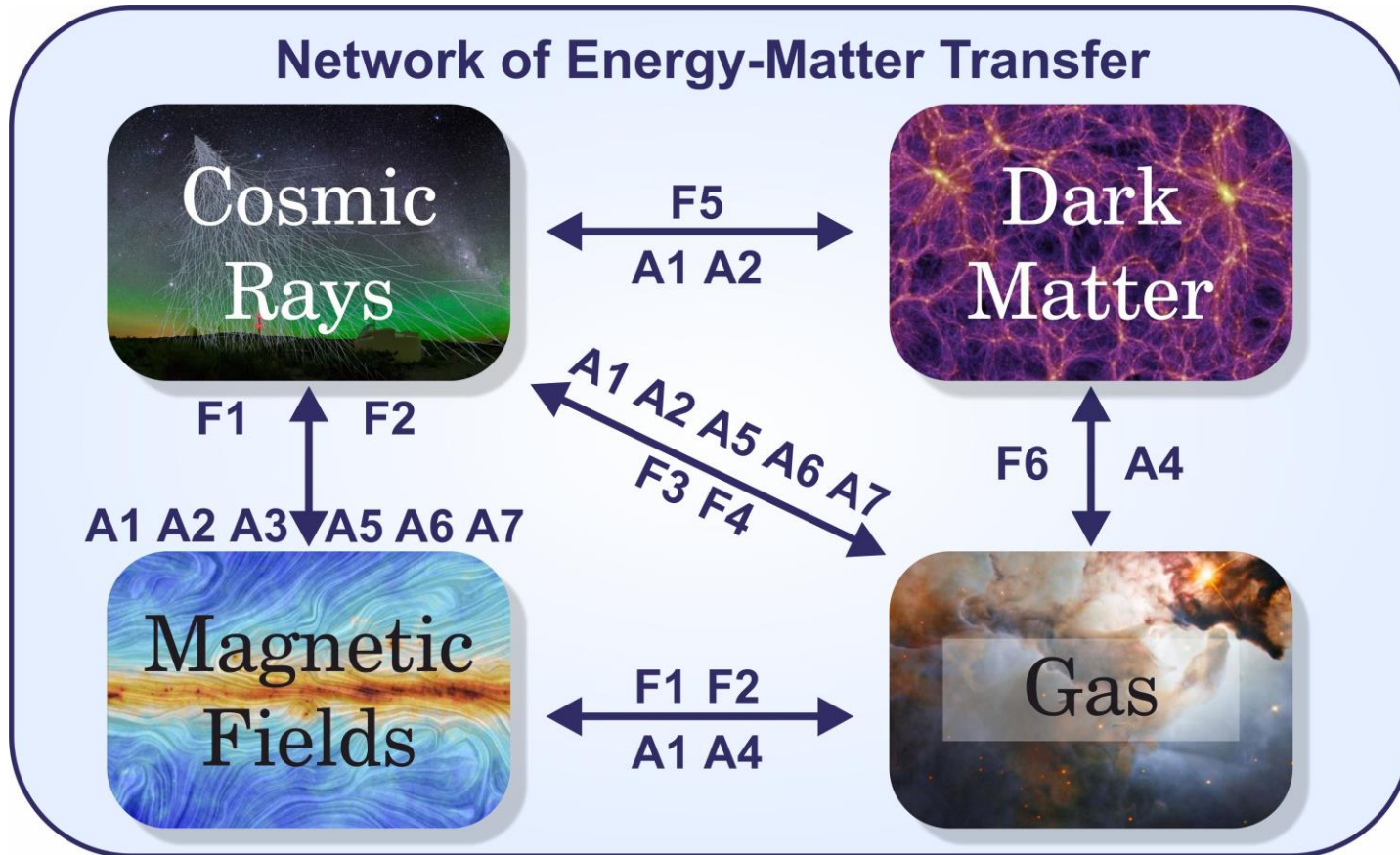
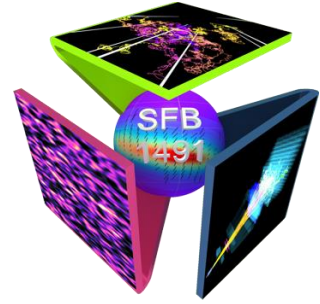
Funding & Support

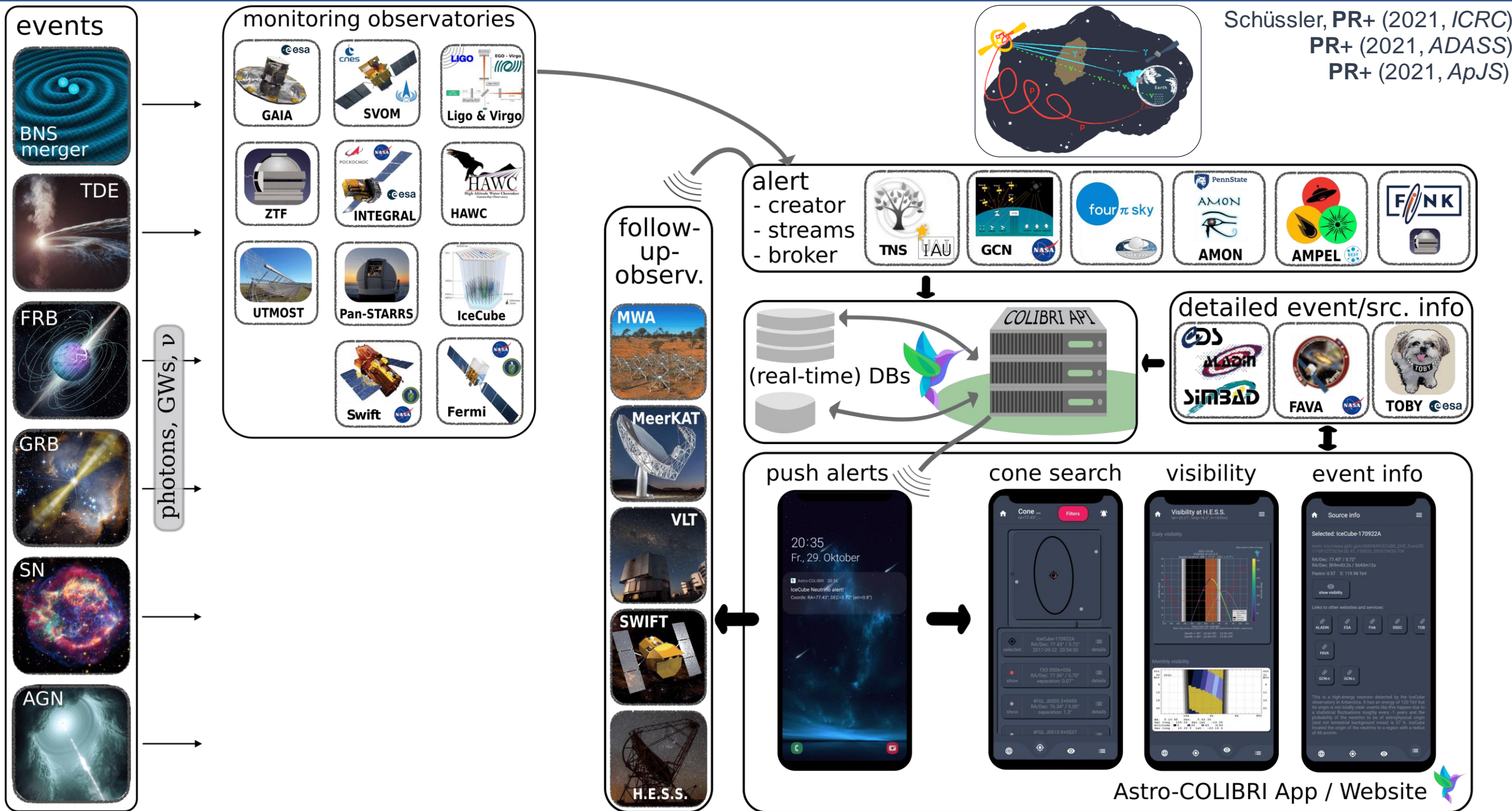


ASOV



- ❑ Collaborative research center (CRC, SFB) 1491: Cosmic Interacting Matters (CIM)
 - ❑ Astrophysical signatures of cosmic-ray transport and interaction (A)
 - ❑ Fundamental properties of matter (F)
 - ❑ Finances our conference dinner

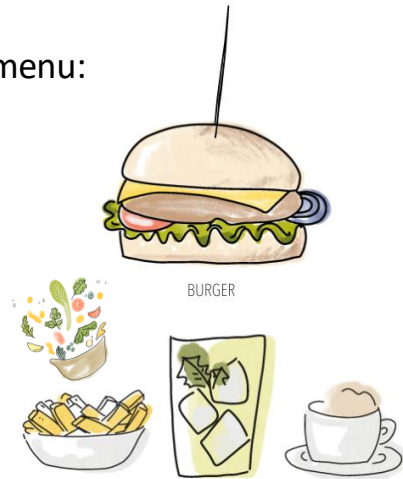




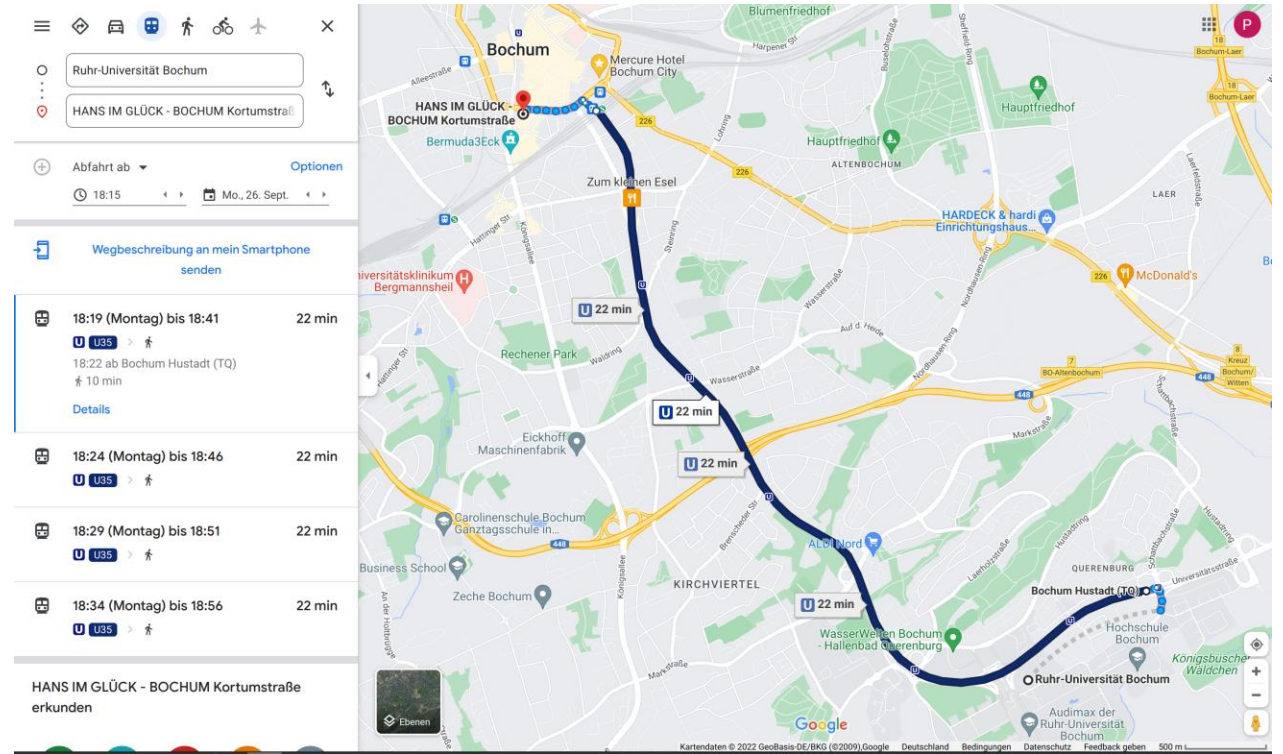
Session	Day
<i>Monday (details...)</i>	
 Introduction: Multi-messenger source physics J. Becker Tjus (RUB, GER) F. Oikonomou (NTNU, NO) S. Markoff (API/GRAPPA, NL)	Mon
 Transients: Gamma-rays H. Ashkar (LLR, FR) A. Berti (MPI, GER)	Mon
 Transients: Radio R. Fender (Oxford, UK) B. Stappers (Manchester, UK)	Mon
 Introduction: Astro-COLIBRI P. Reichherzer (RUB, GER) F. Schüssler (IRFU/CEA-Saclay, FR)	Mon
 CRC 1491 conference dinner The dinner on Monday 19h PM takes place in Hans im Glück in the bustling city centre close to the main station in Bochum (find location). The dinner is funded by SFB 1491 and the RUB Research school.	Mon

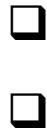
- ❑ CRC 1491 Conference Dinner at **Hans im Glück (19:00)**
- ❑ 25 minutes from here
 - ❑ Leave 18:00 if you want to go to your hotel before the dinner (check-in etc.)

menu:



1. Choose your **favourite burger...**
... with a sourdough, multigrain or brioche bun, or without bread
2. **Side:** GELEIT SALAD, KRAUTKNOLLE COLESLAW or FRIES*
3. **Drink:** THIRST QUENCHERS, REFRESHER or BEER (small)
4. **Hot drink** of your choice or **dessert**





Ruhr-Universität Bochum
HANS IM GLÜCK - BOCHUM Kortumstraße

Abfahrt ab 18:15 Mo., 26. Sept.

Wegbeschreibung an mein Smartphone senden

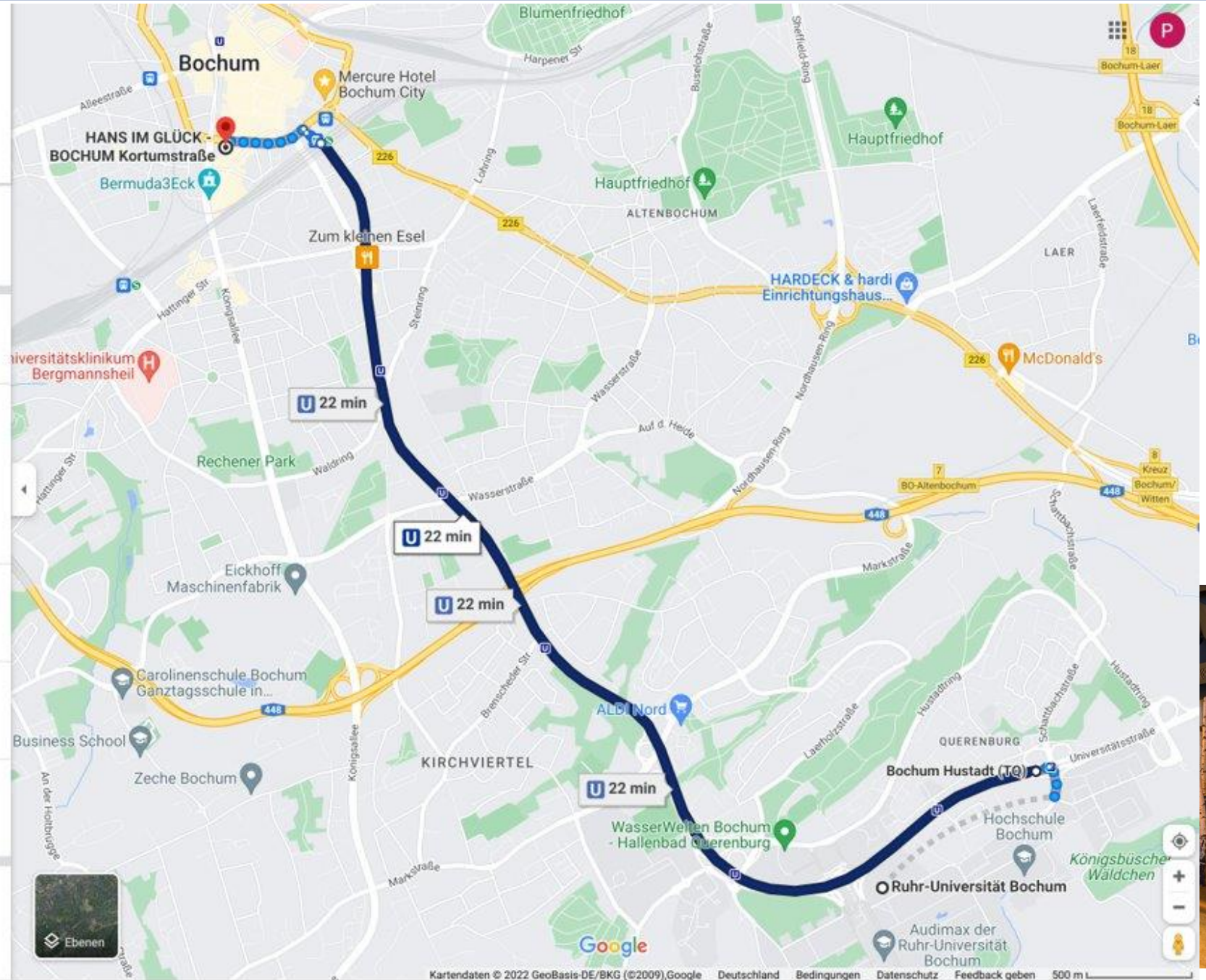
18:19 (Montag) bis 18:41 22 min
U U35 > 🚶
18:22 ab Bochum Hustadt (TQ)
🚶 10 min








18:24 (Montag) bis 18:46 22 min
U U35 > 🚶

18:29 (Montag) bis 18:51 22 min
U U35 > 🚶

18:34 (Montag) bis 18:56 22 min
U U35 > 🚶

HANS IM GLÜCK - BOCHUM Kortumstraße erkunden



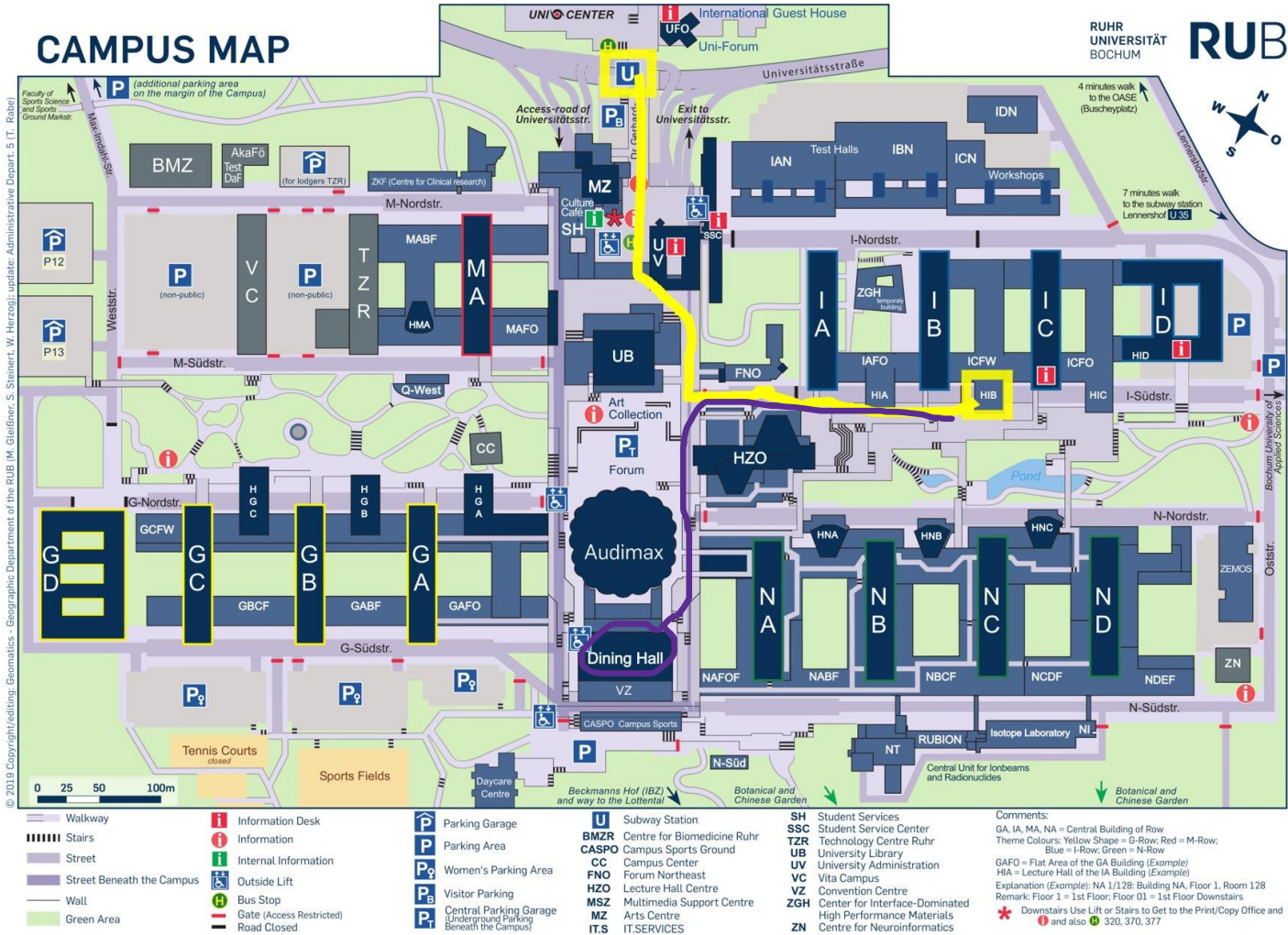
Session	<i>starts at 9:30</i>	Day
<i>Tuesday (details...)</i>		
	Transients: X-rays P. Evans (Leicester, UK) D. Turpin (CNES/CEA-Saclay, FR)	Tue
	Transients: Optical K. Blundell (Oxford, UK) J. Sollerman (Stockholm University, SW)	Tue
	Transients: Gravitational waves M. Seglar-Arroyo (L.A.P.P., FR)	Tue
	Poster session	Tue
	Transients: Neutrinos E. Blaufuss (Maryland, USA) G. Illuminati (Bologna, IT) A. Franckowiak (RUB, GER)	Tue
	Wine & cheese	Tue
	Speed-date a recently-tenured astrophysicist	Tue

- ❑ Group photo here (Tuesday 12:30); further photos throughout the event
 - ❑ Please contact us if you don't want to be on photos
- ❑ Free lunch with your vouchers in dining hall (meal, sides, salad, dessert, drink)






Main canteen (meat, veg., pasta)
 Lower level of dining hall



Rote Bete canteen
 (100% vegan)
 Top level of dining hall



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Session <i>starts at 9:00</i>	Day
<i>Wednesday (details...)</i>	
 Transients: MWL/MM alert systems H.B. Eggenstein (MPI Hannover, GER) A. Nebot (Strasbourg, FR) M. Mostafa (Penn State, USA) J. Nordin, Desy-Zeuthen, GER	Wed
 Discussion: Astro-COLIBRI extensions and connections to other platforms	Wed
 Sciathon introduction The first Sciathon in Astrophysics is an opportunity to develop ideas to answer important questions concerning the next steps in real-time multimessenger astrophysics.	Wed
 Sciathon Young (and motivated senior) scientists will work together within a period of 48 hours during the last phase of the workshop implementing ideas developed during the workshop.	Wed-Fri
 Sciathon discussion All project groups will pitch their projects for 10 minutes in a dedicated session on the last day with the chance of winning prizes. Hopefully, the intense and inspiring group work during the Sciathon will kick-start further collaborations.	Fri

Free

Lindau Nobel Laureate Meetings Online Sciathon 2020

The week before the Online Science Days 2020, we're inviting our Lindau Alumni and Young Scientist community to join our first ever 48-hour Online Sciathon. Work together on innovative solutions for current issues. More information on the topics and how to pitch your proposals is available on sciathon.org

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Online Sciathon 2020

Date: 19 June 2020 17:00 - 21 June 2020 17:00 CEST

Online event 

[Add to calendar](#)



LINDAU NOBEL LAUREATE MEETINGS

Share event



- ❑ The first Sciathon in Astrophysics is an opportunity to develop ideas to answer important questions concerning the next steps in real-time multimessenger astrophysics
- ❑ Young (and motivated senior) scientists will work together within a period of 48 hours during the last phase of the workshop implementing ideas developed during the workshop
- ❑ 3 categories
 - ❑ New functions for Astro-COLIBRI (e.g. prototyping a new functionality, outline of graphical interface, etc.)
 - ❑ New use-cases and science for Astro-COLIBRI (e.g. outline deployments, new science cases, etc.)
 - ❑ Explaining multi-messenger transients (e.g. graphics, posters, Gamma-Catcher extensions, YouTube, etc.)



We collect possible topics at the blackboard

- ❑ Workshop and Sciathon may serve as a starting point for a publication
- ❑ Special issue: "The New Era of Real-Time Multi-Messenger Astronomy"
 - ❑ a limited number of waivers of the publication fees are available: contact Fabian, Anna and Marcos
 - ❑ https://www.mdpi.com/journal/galaxies/special_issues/multimessenger_astronomy



galaxies
an Open Access Journal by MDPI



The New Era of Real - Time Multi -
Messenger Astronomy

Guest Editors
Dr. Fabian Schüssler, Prof. Dr. Anna Franckowiak, Dr. Marcos Santander

Deadline
10 March 2023

Special Issue
Invitation to submit

[mdpi.com/si/108705](https://www.mdpi.com/si/108705)

- Contact me for participation certificate (if you need one)
- Contact me for reimbursement of travel expenses of invited speakers

- ❑ Contact me for participation certificate (if you need one)
- ❑ Contact me for reimbursement of travel expenses of invited speakers
- ❑ Botanic Garden of RUB (Admission free, 5-10 minutes walk)
 - ❑ Website: <https://www.boga.ruhr-uni-bochum.de/index.html.en>











HOT STUFF!

RUB

01 June to 30 Sept 2022

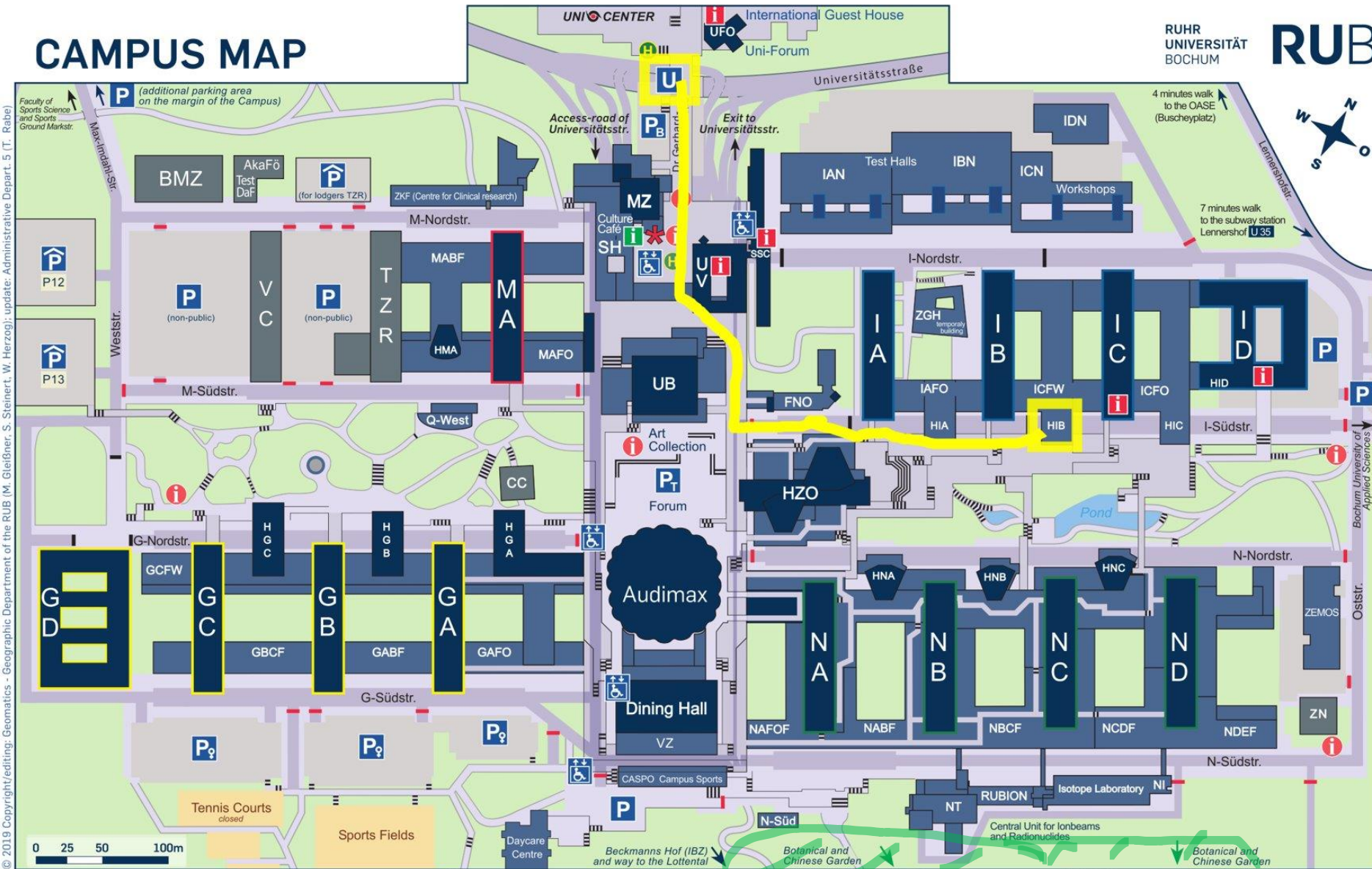
Visit our
CHILI-EXHIBITION
over 170 varieties from all over the World
opposite the Tropical Conservatory
Admission free!

 'Carolina Reaper'	 'Nu Mex Twilight'	 'Limon'	 'Jimmy Nardello's'
 'Bhut Jolokia Chocolate'	 'Habanero Orange'	 'Ecuador Purple'	 'Aji White Fantasy'

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CAMPUS MAP



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RUB
RUHR UNIVERSITÄT BOCHUM

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|--|---|---|--|---|
| <ul style="list-style-type: none"> Walkway Stairs Street Street Beneath the Campus Wall Green Area | <ul style="list-style-type: none"> Information Desk Information Internal Information Outside Lift Bus Stop Gate (Access Restricted) Road Closed | <ul style="list-style-type: none"> Parking Garage Parking Area Women's Parking Area Visitor Parking Central Parking Garage (Underground Parking Beneath the Campus) Subway Station BMZR Centre for Biomedicine Ruhr CASPO Campus Sports Ground CC Campus Center FNO Forum Northeast HZO Lecture Hall Centre MSZ Multimedia Support Centre MZ Arts Centre IT.S IT.SERVICES | <ul style="list-style-type: none"> SH Student Services SSC Student Service Center TZR Technology Centre Ruhr UB University Library UV University Administration VC Vita Campus VZ Convention Centre ZGH Center for Interface-Dominated High Performance Materials ZN Centre for Neuroinformatics | <p>Comments:</p> <p>GA, IA, MA, NA = Central Building of Row
 Theme Colours: Yellow Shape = G-Row; Red = M-Row; Blue = I-Row; Green = N-Row</p> <p>GAFO = Flat Area of the GA Building (Example)
 HIA = Lecture Hall of the IA Building (Example)</p> <p>Explanation (Example): NA 1/128: Building NA, Floor 1, Room 128
 Remark: Floor 1 = 1st Floor; Floor 01 = 1st Floor Downstairs</p> <p> Downstairs Use Lift or Stairs to Get to the Print/Copy Office and and also 320, 370, 377</p> |
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