

26 Pascos 2021: IBS, South Korea

25 Pascos 2019: University of Manchester, UK

24 Pascos 2018: Case Western Reserve University, USA

23 Pascos 2017: IFT Madrid, Spain

22 Pascos 2016: Quy Nhon, Vietnam

21 Pascos 2015: ICTP Trieste, Italy

20 Pascos 2014: Univ. of Warsaw, Poland

19 Pascos 2013: NTU, Taiwan

18 Pascos 2012: Merida, Mexico

17 Pascos 2011: DAMTP, Cambridge, UK

16 Pascos 2010: Valencia, Spain

15 Pascos 2009: DESY/Hamburg, Germany

14 Pascos 2008: Perimeter Institute, Canada

13 Pascos 2007: Imperial College, London, UK

12 Pascos 2006: U Ohio, USA

11 Pascos 2005: Gyeongju, Korea

10 Pascos 2004: Northeastern University, USA

09 Pascos 2003: TIFR, Mumbai, India

08 Pascos 2001: U North Carolina, USA

07 Pascos 1999: UC Davis, USA

06 Pascos 1998: Northeastern University, USA

05 Pascos 1995: The Johns Hopkins, USA

04 Pascos 1993: Syracuse University, USA

03 Pascos 1992: UC Berkeley, USA

02 Pascos 1991: Northeastern University, USA

01 Pascos 1990: Northeastern University (Founding chair: Pran Nath)

PASCOS – an impressive conferences series with one interruption...



27th International Symposium on Particles, Strings and Cosmology

25–29 Jul 2022 Max Planck Institute for Nuclear Physics, Heidelberg, Germany

Europe/Berlin timezone

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Program Outline

Timetable

List of Participants

Registration

- Registration Form

Call for Abstracts

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Past Meetings

PASCOS 2022, the 27th International Symposium on Particles, Strings and Cosmology, will take place on July 25-29, 2022. The aim of the conference is to review recent progress in particle physics, astroparticle physics, string theory and cosmology, with particular emphasis on their interconnections. The symposium is a platform for researchers to report and discuss what has been learned and what might show up in the next few years. Topics will include, for example, new physics at LHC, gravitational waves, neutrinos, dark matter and non-accelerator probes of new physics, string theory and new results in cosmology.

The conference includes invited plenary talks as well as parallel sessions. We particularly welcome and encourage the participation of early-career researchers.

PASCOS 2022 will be **hosted in-person** at the **Max-Planck-Institut für Kernphysik** (MPIK, Max Planck Institute for Nuclear Physics) in Heidelberg, Germany.



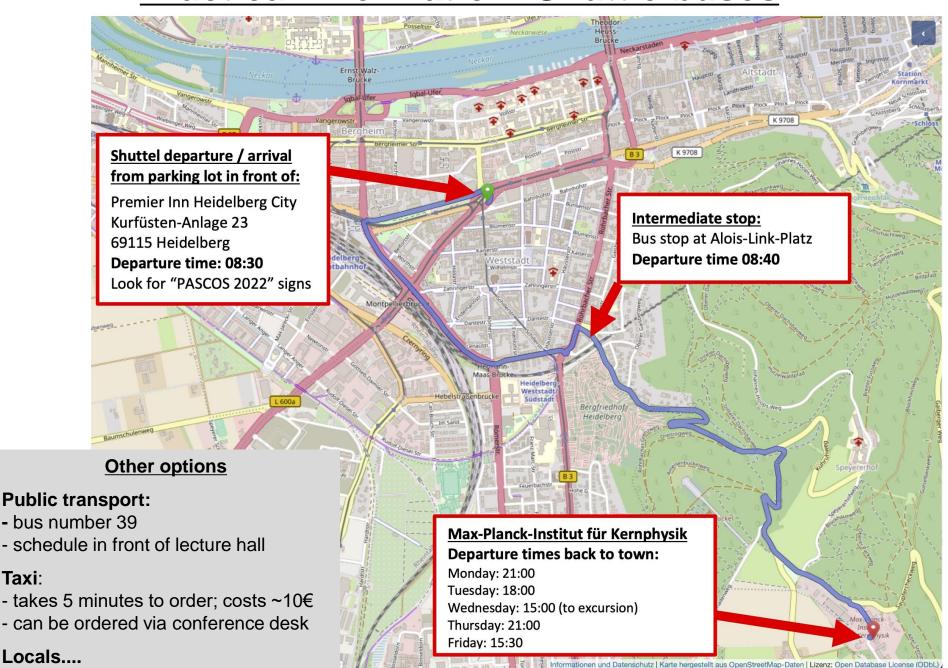




The overall shedule

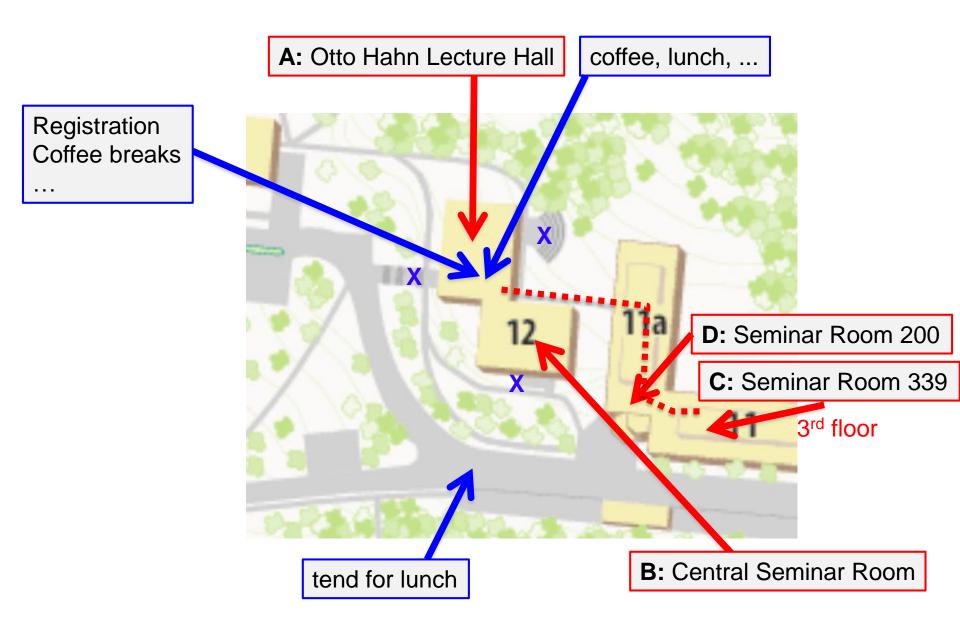
Monday	Tuesday	Wednesday	Thursday	Friday
July 25	July 26	July 27	July 28	July 29
Registration	Plenary Session 2	Plenary Session 3	Plenary Session 4	Plenary Session 6
9.00–10.00	09.00 - 10.30	09.00 - 10.30	09.00 - 10.30	09.00 - 10.30
Coffee	Coffee Break	Coffee Break	Coffee Break	Coffee Break
10.00 - 10.30	10.30 - 11.00	10.30 - 11.00	10.30 - 11.00	10.30 - 11.00
M. Lindner: Opening remarks 15'	Morning Parallel Session 1	Morning Parallel Session 1	Morning Parallel Session 1	Plenary Session 7
Plenary Session 1	4 sessions with 5 talks 15'+3' each	4 sessions with 6 talks 15'+3' each	4 sessions with 5 talks 15'+3' each	Trainary Cossient
				11.00 - 12.30
10.30 - 12.30	11.00 - 12.30	11.00 - 12.45	11.00 - 12.30	
Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
40.00 44.00	10.00			
12.30 - 14.00	12.30 - 14.00	12.45 - 14.15	12.30 - 14.00	12.30 - 14.00
Afternoon Parallel Session 1	Afternoon Parallel Session 1		Plenary Session 5	Plenary Session 8
4 sessions with 5 talks 15'+3' each	3 sessions with 5 talks 15'+3' each			M 1: 1 Cl : 1 El
14.00 15.00	14.00 15.00		14.00 - 15.45	M. Lindner: Closing remarks 5'
14.00 - 15.30	14.00 - 15.30		C. W. D. O.	14.00 - 15.05
Coffee break	Coffee Break		Coffee Break	
15.30 - 16.00	15.30 - 16.00	Excursion	15.45 - 16.15	
Afternoon Parallel Session 2	Afternoon Parallel Session 2	Excursion	13.43 - 10.13	
4 sessions with 6 talks 15'+3' each	4 sessions with 5 talks 15'+3' each	15.00 - 18.00		
+ sessions with o tarks 15 +5 each	4 Sessions with 5 tarks 15 +5 each	13.00 - 10.00		
16.00 - 17.50	16.00 - 17.50		BBQ	
Welcome Reception	10.00 17.00		234	
Traicome Reception			17.00 - 21.00	
18.00 - 21.00			2.133 -2.133	

Practical information: Shuttle buses



Taxi:

Conference Venue



Practical information:

Talks:

- All talks → uploaded to Indico or sent to wsorg@mpi-hd.mpg.de <1hr before

Coffee breaks, lunches, reception, BBQ → at the conference site

Internet:

- eduroam → just connect
- ask at conference desk for personal access code

Sessions:

- Session chairs → stay in time; shown times INCLUDE discussion time
- Plenary: Wait for microphone for questions / comments
- There is a local person in every session who can help

Conference picture:

Will be taken on Wednesday at 14:20 (after lunch, before excursion)

Excursion:

- announcements with details to come

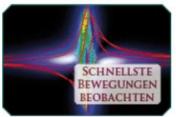
Some Information on MPIK

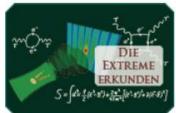
MPG – Max Planck Gesellschaft:

~80 Max-Planck institutes (MPIs), 2-8 divisions each, ~16.000 employees, budget ~1.6Bn€

MPIK: 5 divisions, ~450 people, physics program around two themes









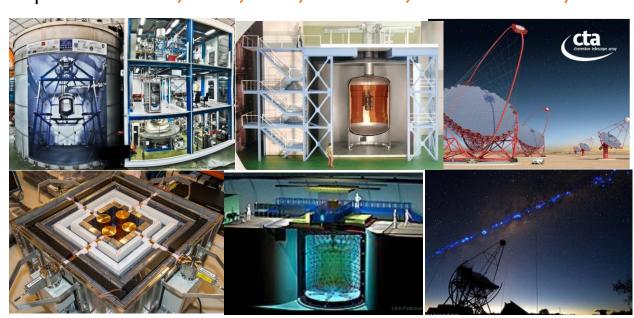


Particle and astroparticle physics ←→ quantum dynamics

various well known activities in the past: GALLEX, GNO, HdM, Borexino, Double Chooz, ...

HESS, CTA, LHCb, GERDA, Double Chooz, LEGEND200, STEREO, CONUS XENON100, XENON1T, ...nT theory:

- neutrinos
- dark matter
- beyond the Standard Model
- early universe
- high energy astrophysics



Today's Program

Mon 25/07

09:00						
09:00	Registration					
	Mary Diagraph Institute for Novelean	00:00 40:00				
10.00	Max Planck Institute for Nuclear	09:00 - 10:00				
10:00	Coffee Break					
	Max Planck Institute for Nuclear	10:00 - 10:30				
	Welcome Remarks	Manfred Lindner				
	Main Lecture Hall	10:30 - 10:45				
	Axion with and without gravity Gia Dva					
11:00						
	Main Lecture Hall					
	New Aspects of Cosmic Inflation Konstantinos Dimopoulos					
	Main Lecture Hall	11:20 - 11:50				
	XENONnT: First electronic rec	Andrii Terliuk				
12:00	Main Lecture Hall 11:50 - 12:25					
	Lunch Break					
	Editori Broak					
13:00						
	Max Planck Institute for Nuclear			12:30 - 14:00		
14:00	Composite Dark Matter an Saereh Najjari	Flavor hierarchies, flavor Ben Stefanek	Applying AdS/QCD metho Yang Liu	Inflation with two-form fiel Ippei Obata		
	Sacrett Wajjan			ipper obdita		
	Minimal realization of light	Noutring many and flavor	Minimal CLI(C) Causa Hiss	Quintocontial Inflation in		



Enjoy PASCOS 2022!