



Research Training Group 2721 HYDROGEN Isotopes, $^1,^2,^3\text{H}$

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$^1,^2,^3\text{H}$ International Recruiting Symposium



Programme Overview

<i>Tuesday (18 June)</i>			
14:00 – 18:00	Introduction	Faculty (kl. HS, R015)	PIs, DRs, CAs
18:00 – 20:00	Barbecue	Faculty (Destille)	PIs, DRs, CAs

<i>Wednesday (19 June)</i>			
09:00 – 12:00	Projects I	Faculty (SR101)	PI, CAs
12:00 – 13:00	Lunch	Faculty (SR101)	DRs, CAs
13:00 – 16:00	Lab tours		DRs, CAs
16:00 – 17:30	Poster session	Faculty (FAB) ¹	DRs, CAs
18:00 – 20:00	Pizza & soccer	Faculty (FAB)	(PIs), DRs, CAs

<i>Thursday (20 June)</i>			
09:00 – 12:00	Projects II	Villa Tillmanns	PI, CAs
12:00 – 13:00	Lunch	Mensa am Park	CAs
13:15 – 15:15	Leipzig tour		CAs

Principal investigators (PI), Doctoral researchers (DR), Candidates (CA)

Locations

Faculty	Faculty of Chemistry and Mineralogy, Leipzig University Johannisallee 29, 04103 Leipzig
Villa Tillmanns	Leipzig University Wächterstr. 30, 04109 Leipzig
Mensa am Park	Universitätsstr. 5, 04109 Leipzig

Contacts

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¹ FAB: Freiarbeitsbereich

Scientific Programme Details

1. Introduction

Tuesday, 14:00-18:00, Faculty (Kl. HS, R015)

14:00 Official welcome by the spokesperson

14:30 **Doctoral researchers** present their research projects (3 minutes each)

15:30 **Candidates** introduce themselves (90 seconds each)

16:15 **Principal investigators** present their working groups (3 minutes each)

2. Project presentations I

Wednesday, 09:00 – 12:00, Faculty (SR 101)

09:00 Roger Gläser

P4: Modified zeolites for adsorptive separation of H isotopes

09:20 Bernd Abel

P7: Investigating H isotope penetration through thin membranes

09:40 Harald Krautscheid

P3: Molec. framework materials w/ highly attractive adsorption sites

10:00 *Coffee break*

10:30 Rhyan Barrett

P15: Deep learning nuclear quantum effects for accelerated MD

10:50 Thomas Heine

P2: Design of nanostructured materials for tritium capture

11:10 Kirsten Zeitler

P9: Photocatalytic deuteration and tritiation in batch and flow

11:30 Cornelius Fischer

P12: Separation experiments on mixtures of T and other H isotopes

3. Lab tours

Wednesday, 13:00 – 16:00, several places

For P7 and P12, a transfer to the Science Park in Permoserstr. 15 will be required.

For all other projects, the labs can be reached on foot; see separate page.

4. Poster session

Wednesday, 16:00–18:00, Faculty (FAB)

5. Project presentations II

Thursday, 09:00–13:00, Villa Tillmanns

09:00 Ralf Tonner-Zech

P14: Quantifying hydrogen isotope effects on chemical bonding

09:20 Andreas Pöppl

P5: Characterizing adsorbants in porous mat. by hyperfine spectrosc

09:40 Jonas Warneke

P6: Novel materials for DHI separation generated by soft-landing

10:00 *Coffee break*

10:30 Introduction of the Graduate Academy Leipzig

10:50 Detlev Belder

P11: A lab-on-a-chip platform for microscale detection of T species

11:10 Agnieszka Kuc

P8: Fundamental understanding of hydrogen diffusion and sieving

11:30 Knut Asmis

P1: Hydrogen adsorption on isolated clusters and nanoparticles

Lab Tour Details