



Erlangen, 4. April 2018

Bulletin 1

School for Astroparticle Physics October 3–11, 2018, Obertrubach-Bärnfels, Germany

1. General information

The 15th edition of the annual *School for Astroparticle Physics* will be held in Obertrubach-Bärnfels in the countryside near Erlangen from 3rd to 11th October 2018. The School primarily addresses graduate and PhD students from all fields of experimental and theoretical astroparticle physics. Further information on the 2018 school can be found under

<http://www.astroteilchenschule.nat.fau.de> .

The *School for Astroparticle Physics* offers education in a wide range of selected topics from astrophysics, particle physics and cosmology, as well as in-depth coverage of topical developments in astroparticle physics. A further goal of the school is to stimulate contacts between participants and lecturers and to strengthen long-term cooperation and networking in the community of astroparticle physicists. The school combines education, discussion and contributions by the participants. The program includes: (i) Lectures of 3x90 minutes each about central topics of astroparticle physics; (ii) Presentations (90 minutes) about special topics of astroparticle physics; (iii) Complementary evening lectures about topics related (or less related) to astroparticle physics; (iv) Talks of the participants, in which they present their own work; (v) Exercises and discussions about the lectures. Furthermore, the extended lunch breaks, the evenings and the free Sunday allow for joint activities and stimulation of contacts between participants and lecturers.

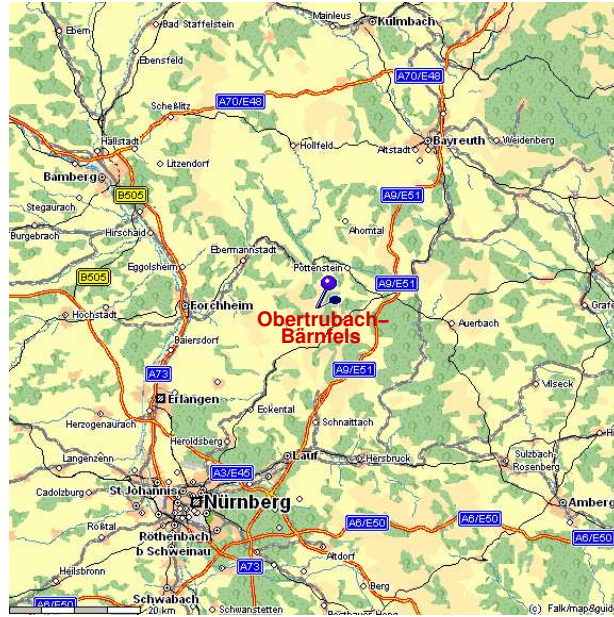
The *School for Astroparticle Physics* is supported by the *Erlangen Centre for Astroparticle Physics*, the *Friedrich-Alexander-Universität Erlangen-Nürnberg*, and the *Helmholtz-Allianz für Astroteilchenphysik*.

2. Location and accommodation

The *Gasthof Drei Linden* offers good-value accommodation, full-board meals, the required infrastructure as well as a very comfortable atmosphere. The participation fee of 250 € includes the accommodation in twin rooms with bathrooms as well as breakfast buffet, mid-morning coffee, lunch, afternoon coffee with cake, and dinner. Beverages are not included and have to be paid extra. On request, a limited number of single rooms are available at extra charge. The location of Obertrubach-Bärnfels in the greater area of Nürnberg/Erlangen/Bamberg/Bayreuth is indicated in the following map. Detailed information about arrival and traffic links will be provided in the second bulletin.

3. Program and schedule

Program committee: Gisela Anton (Universität Erlangen-Nürnberg)
Johannes Blümer (KIT Karlsruhe)
Franz von Feilitzsch (Technische Universität München)
Stefan Funk (Universität Erlangen-Nürnberg)
Werner Hofmann (MPI Heidelberg)
Uli Katz (Universität Erlangen-Nürnberg)
Karl Mannheim (Universität Würzburg)
Julian Rautenberg (Universität Wuppertal)
Jörn Wilms (Universität Erlangen-Nürnberg)



Program:

Lectures (3×90 minutes):

David Berge	(DESY)	Gamma Astronomy
Luciano Rezzolla	(U. Frankfurt)	Neutron Star Binaries and Neutron Star Mergers
Achim Stahl	(RWTH Aachen)	Neutrino Physics
Marc Schumann	(U. Freiburg)	Dark Matter

Talks (90 minutes):

Dainis Dravins	(U. Lund)	Intensity Interferometry for Astronomy
Felicia Krauss	(U. Amsterdam)	Multimessenger Studies of Blazars
Martin Erdmann	(RWTH Aachen)	Machine Learning in Astroparticle Physics
Stephen Serjeant	(Open University UK)	Citizen Science
Marc Hempel	(PT-DESY)	Research Funding in Germany and Europe

4. Local organisation and registration

Local organising committee:	Gisela Anton
	Matthias Büchele
	Peter Deiml
	Thomas Eberl
	Stefan Funk
	Ira Jung
	Uli Katz
	Robert Lahmann
	Julian Rautenberg
	Christopher van Eldik
	Jörn Wilms

Contact:

Email: AT-Schule@physik.uni-erlangen.de

Registration:

Registration for the School is via the website

www.astroteilchenschule.nat.fau.de

Please consider that the number of participants is limited to about 40.

1. Registration is possible until 1st September 2018, 12 pm. If the number of registrants exceeds 40 at this time, registration will be closed and the participants will be selected (see point 2). If less than 40 people are registered at the deadline, registration will be extended.
2. If there are more than 40 registrants, a selection will be made by the local organisation committee under individual consideration of the applications and in consultation with the registrants. Points to be taken into account are, amongst others, the registration date, the contingents of the delegating institutions as well as the possibility of the registrant to participate in the following year. Those registered until 1st September 2018, will be informed until 8th September 2018 about their admission.

Each participant is expected to present her/his current research work in a talk of 15 minutes length. Title and abstract of this talk are mandatory parts of the registration and have to be submitted until 1st September 2018. They may be provided after the initial registration via the registration website. Requests concerning single rooms, twin room assignment, vegetarian or vegan food as well as suggestions can be placed in the field *remarks* during the registration.

Participation fee:

The fee amounts to 250€ per participant. It includes the accommodation in twin rooms with bathrooms as well as breakfast buffet, mid-morning coffee, lunch, afternoon coffee with cake, and dinner. By 8th September 2018 the latest, each participant will receive a confirmation email including the instructions for the bank transfer. In the case of registration after 8th September 2018, this email will be sent immediately after the registration.