

## The Vienna Doctoral Program (Doktoratskolleg) Particles and Interactions (DK-PI)

<b>Código de Beca:</b>	422
<b>Nombre:</b>	The Vienna Doctoral Program (Doktoratskolleg) Particles and Interactions (DK-PI)
<b>Descripción:</b>	<p>The Vienna Doctoral Program (Doktoratskolleg) Particles and Interactions (DK-PI) calls for applications to a graduate program on experimental and theoretical particle physics. The DK-PI offers research opportunities in the fields of</p> <ul style="list-style-type: none"><li>•physics and technology of particle detection in high energy particle collisions,</li><li>•precision measurements at low and ultra-low energies to test the standard model,</li><li>•precision experiments with antihydrogen for studies of CPT symmetry and antimatter gravity,</li><li>•experimental studies on non-perturbative QCD with kaon and antiproton beams,</li><li>•ultra-relativistic heavy-ion physics,</li><li>•the theory of strong and electroweak interactions at low and high energies and at high density or temperature,</li><li>•neutrino and flavor physics,</li><li>•Standard Model and Beyond the Standard Model phenomenology,</li><li>•supersymmetry and string theory,</li><li>•quantum gravity and black hole physics,</li><li>•dark matter physics.</li></ul>
<b>Fuente principal:</b>	Austria
<b>Fuente secundaria:</b>	-
<b>Tipo de beca:</b>	Parcial
<b>Fecha de vencimiento:</b>	06/01/2017
<b>Requisitos:</b>	<p>Students from all countries are welcome to apply for such a DK-PI studentship. Since the number of places in the DK-PI doctoral program is limited, there is an application and selection procedure for interested students which accounts for their academic and previous scientific achievements, and their expected potential for future research work. Since DK-PI doctoral students will have to be enrolled at one of the Vienna universities, they have to fulfill the criteria for doctoral studies of the two universities. For this they need in particular a completed Master (or equivalent) degree. In addition they should have very good English language skills.</p> <p>The DK-PI seeks to increase the percentage of women in physics and therefore</p>

specifically invites applications by women. Among equally qualified applicants women will receive preferential consideration.

**Beneficios:**

Benefits

The DK-PI offers doctoral study positions with full financial support on a 12-months-basis for up to 3 years.

The **modalities of the payment** follow the rules laid out by the Austrian Science Fund (FWF) (currently 1,996.90 €/month before tax, incl. health benefits).

In addition, the doctoral program provides support for

- travel to scientific work shops, schools and conferences,
- research stays at various partner institutions around the globe,
- soft skill training and language courses.

**Lugar de postulación y documentación a presentar:**

Application checklist: The following application documents and material shall be provided:

completed admission form

curriculum vitae (CV),

list of publications, posters and talks (if applicable),

graded study records (if you feel it helps even including high school certificates),

expression of interest (why you feel you are the right person to join the DK-PI),

information on your English skills (TOEFL or others),

preferred date when you would like to start the doctoral studies,

two letters of recommendation (including one from your Master's thesis supervisor).

Note that we will not approach your referees. YOU have to ask your referees to send to us these letters directly by email (preferably) to [application@dkpi.at](mailto:application@dkpi.at) or by postal mail so that they arrive before the deadline.

Upon electronic submission of your application you should receive a confirmation mail within 1 day (if not, please contact the DK-PI coordinator!).

**Contacto en caso de dudas:**

Coordinator: Andreas Ipp

Tel.: +43-1-58801-13635

Email: [coordinator@dkpi.at](mailto:coordinator@dkpi.at)

**Observaciones:**

More Info

<http://www.dkpi.at/applications-doctoral-program/>

<http://www.dkpi.at/applications-doctoral-program/application-procedure/>

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**Ofrecimiento N° 422.1**

**Nombre ofrecimiento:** The Vienna Doctoral Program (Doktoratskolleg) Particles and Interactions (DK-PI)

**Información específica:** The DK-PI doctoral program is a research, education, and training oriented initiative supported by the Austrian Science Foundation (FWF). Its purpose is to provide a high profile international research environment for highly qualified PhD students, coupled with a thorough monitoring and advisory framework, and a broad educational system that includes introductory and specialized physics courses as well as soft skill courses. Its aim is that the students acquire the knowledge needed for becoming competitive participants in the international particle and nuclear physics research community and are able to start their own successful career.

The DK-PI is an excellence initiative of faculty members from five Vienna-based research institutions, the Institute for Theoretical Physics at the TU Wien, the Institute for Atomic and Subatomic Physics at the TU Wien, the Faculty of Physics of the University of Vienna and two institutes of the Austrian Academy of Science, the Institute of High Energy Physics, and the Stefan Meyer Institute for Subatomic Physics. The DK-PI faculty members which can serve as thesis supervisors are

- Prof. Hartmut Abele, TU Wien (Atominstitut), (\*)
- Prof. Walter Grimus, University of Vienna,
- Doz. Dr. Daniel Grumiller, TU Wien,
- Prof. André Hoang, University of Vienna, Co-Speaker of DK-PI, (\*)
- Doz. Dr. Manfred Jeitler, Austrian Academy of Sciences (Institute of High Energy Physics),
- Doz. Dr. Johann Marton, Austrian Academy of Sciences (Stefan Meyer Institute),
- Prof. Anton Rebhan, TU Wien, Speaker of DK-PI,
- Doz. Dr. Andreas Schmitt, Vienna University of Technology,
- Prof. Eberhard Widmann, Austrian Academy of Sciences (Stefan Meyer Institute), (\*)
- Doz. Dr. Claudia-Elisabeth Wulz, Austrian Academy of Sciences (Institute of High Energy Physics).

Associated faculty members:

- Doz. Dr. Rudolf Frühwirth, Austrian Academy of Sciences (Institute of High Energy Physics),
- Prof. Jochen Schieck, Austrian Academy of Sciences (Institute of High Energy Physics).

**Tipo de curso:** DOCTORADO

**Modalidad de curso:** -

**País:** Australia

**Ciudad:** -

**Idiomas:** inglés

**Fecha de inicio:** -

**Fecha de fin:** -

**Fecha límite de inscripción:** 06/01/2017

**Duración aprox.:** -

**Disciplinas:** CIENCIA, TECNOLOGIA & INNOVACIÓN  
Ciencias físicas  
Ciencias químicas  
Gestión en ciencias e innovación

**Observaciones:** -