



WYP2005 in Austria

Max E. Lippitsch & Sonja Draxler

www.wyp2005.at

WYP 2005

Paris

March 3-4, 2006





WYP2005 in Austria

Max E. Lippitsch & Sonja Draxler

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WYP2005 organisation in Austria

➤ Austrian Physical Society (ÖPG)

Coordinating committee:

Max Lippitsch (Chairman)

Sonja Draxler (Graz)

Wolfgang Lucha (Vienna)

Maurizio Musso (Salzburg)

Monika Ritsch-Marte (Innsbruck)

Peter Zeppenfeld (Linz)

in cooperation with

Austrian Academy of Sciences

School authorities

WYP 2005

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WYP2005 financing in Austria

European Union	€ 109.000
Federal Government	€ 154.000
Provincial Governments	€ 105.000
Communities	€ 56.000
Universities	€ 73.000
Private Sponsors	€ 207.000
Total	€ 704.000

WYP 2005

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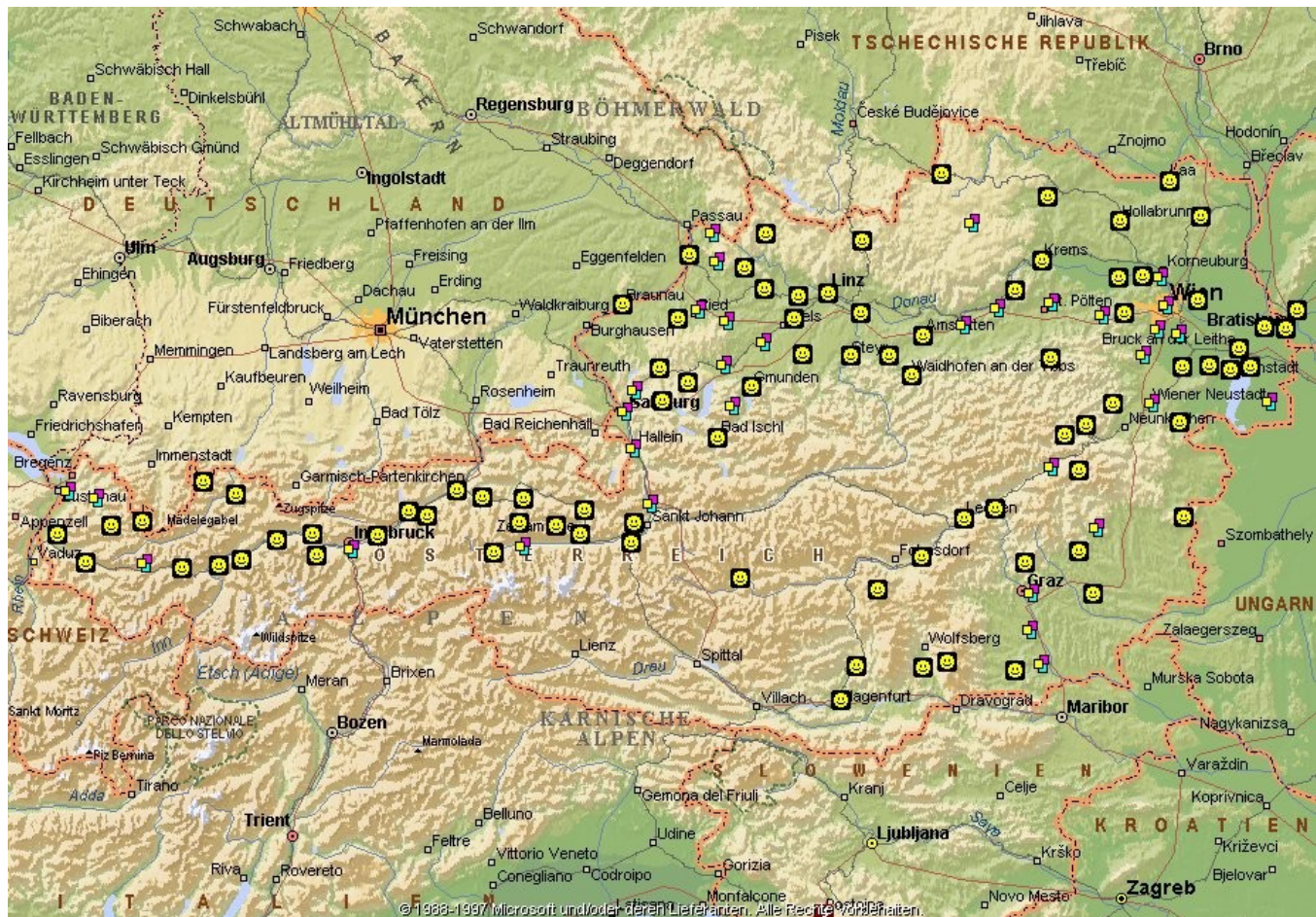


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WYP2005 locations in Austria



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WYP2005 Events in Austria

➤ Opening Events

Jan. 13, 2005 Salzburg

Jan. 18, 2005 Graz

Jan. 19, 2005 Vienna

➤ Physics Calendar 2005

every day in the internet a Physics-related story
written by Austrian students (age < 18)

once a week in a newspaper (*Der Standard*)

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WYP2005 Events in Austria

- **Long Night of Physics**
Physics enlightens the world

WYP 2005

April 19, 2005

Paris

March 3-4, 2006





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WYP2005 Events in Austria

➤ 375 years since Kepler

June 10-12, 2005 Graz

Part of the annual World Heritage Festival of Graz

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Johannes



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WYP2005 Events in Austria

➤ World harmony

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Weltharmonie

Eine Ausstellung im Weltjahr der Physik 2005
12. bis 26. November 2005

Von Pythagoras bis Kepler

BRG Kepler Graz, Keplerstraße 1
Eröffnung: 12. November 2005, 15 Uhr
Geöffnet Mo.-Sa. 9-13 Uhr, Di. bis 18 Uhr

Erwin Schrödinger

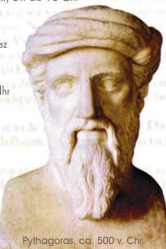
Karl-Franzens-Universität Graz
Haus der Wissenschaft
Elisabethstraße 27
Geöffnet Mo.-Fr. 10-16 Uhr

Begleitende Vorträge:

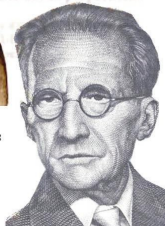
Johannes Kepler, *kaiserlicher Mathematicus*
BRG Kepler Graz Keplerstraße 1
12. November 2005, 15 Uhr

Die Weltharmonie

Zum 375. Todestag Keplers
BRG Kepler Graz Keplerstraße 1
15. November 2005, 17 Uhr
Geburtstag oder Trauertag?
Schöndingers Kater wird 70
Literaturhaus, Elisabethstraße 30
28. November 2005, 19 Uhr



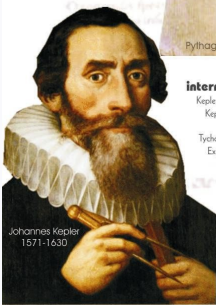
Pythagoras, ca. 500 v. Chr.



Erwin Schrödinger
Nobelpreisträger in Graz

Einspielungen internationaler Partner:

Kepler-Gedächtnisbau Regensburg
Keplermuseum Weil der Stadt
Museo Beza Milano
Tycho Brahe Museum Landkrone
Experimentierwerkstatt Wien



Johannes Kepler
1571-1630



Das Land Steiermark

UNI Graz

www.zuvohinder.at

Ioannis Kepleri HARMONICES M V N D I

LIBRI V. QVORVM

PRIMVS GEOMETRICVS, De Figuratum Regularium, quae Proportiones Harmonicas constituunt, ortu & demonstracionibus.
SECVNDVS ARCHITECTONICVS, seu de GEOMETRIA FIGVRATA, De Figuratum Regularium Congruentia in plano vel solido.
TERTIVS PROPRIE HARMONICVS, De Proportionum Harmonicarum ortu ex figuris deque Naturi & Differentiis rerum ad cantum pertinentium, contra Veteres.
QVARTVS METAPHISICVS, PSYCHOLOGICVS & ASTRALOGICVS, De Harmoniarum mensuris. Editio aeternumque generibus in Mundo praefata.
QVINTVS HARMONIA RATIONVM, ex corporibus caelestibus in Terram descendentibus, eiusque effecta in Natura seu Anima sublimari & Humana.
QVINTVS ASTRONOMICVS & METAPHISICVS, De Harmoniis absolute in motuum collectum, seroque Ecclesiasticum ex proportionibus Harmonicis.
Appendix habet comparationem huius Operis cum Harmonicis CL. Problemi I bro II I cumque Roberti de Fluctibus, ad illi Fluct. Medici Occasionis speculationibus Harmonicis, operi de Macrocosmo & Microcosmo inferri.

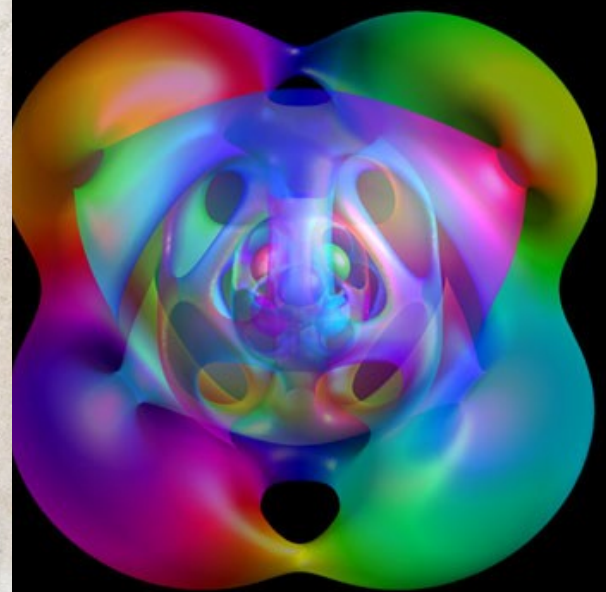


Cum S. C. M. Privilegio ad annos XV.

Lincii Austria,

Sumpcibus GODOFREDI TAMFACII Bibl. Francof.
Excudebat IOANNES PLANGVS.

ANNO M. DC. XIX.





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WYP2005 Events in Austria

Physics Talent Search

137 participants (6 from Hungary)

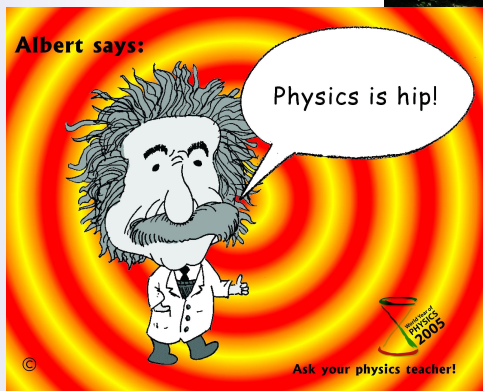
“Talent camp” for the 23 best students

Symposium for the 23 best students

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WYP2005 Events in Austria

➤ Summary

303 registered events

190 locations

161 articles in newspapers and magazines

20 radio broadcasts

21 TV broadcasts

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WYP2005 Events in Austria

➤ Evaluation

- + very well accepted by the public
good media response
much enthusiasm in schools
- rather reluctant reactions from academia
political response nearly negligible

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Beyond 2005

Forum Physics and Society

- Graz, 19-22 April 2006
- Dialogue between physicists and decision-makers
- Austrian EU Council Presidency
- Registration deadline March 16, 2006

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Beyond 2005 Forum Physics and Society

- The role of physics in the context of society, culture, and the sciences.
- The importance of physics for competitiveness in a technology-based world economy.
- Needs in research policy and funding.
- Standards and quality control in physics education and comparability in international physics curricula, at all levels of education.
- Ethical issues in physics.

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Beyond 2005

Physics as a cultural heritage
Travelling exhibition, combining
physics history projects from all over
the world

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100 years since Ludwig Boltzmann
Symposium and exhibition
Graz, 18 – 30 September 2006