

# International Linear Collider (ILC) Workshop 2005

VIENNA, Parkhotel Schönbrunn, 14 – 17 November 2005



This workshop is the third of a series initiated by ECFA (the European Committee for Future Accelerators) and devoted to studies on physics and detectors for the ILC – the world-wide project of a linear collider with superconducting technology for electron-positron collisions at a center-of-mass energy up to 1 TeV.

#### **Physics study topics:**

Higgs physics, Supersymmetry, Electroweak gauge theories, Alternative theories, Top physics and QCD, Gamma-gamma, e-gamma and  $e^-e^-$  physics, Precision calculations of high-order processes, Connections to cosmology, Joint LHC/ILC study;

#### **Detector and software topics:**

Vertexing, Tracking, Calorimetry, Muons, Forward region, Data acquisition, Global detector network, Detector performance, Generators, Software tools;

#### **Machine related topics:**

Beam delivery and interaction region, Polarization,  $e^-e^-$  option.

#### **Information and registration:**

<http://wwwhephy.oeaw.ac.at/p3w/ilc/ws05/>

#### **Patronage:**

*Elisabeth Gehrler*, Federal Minister of Education, Science and Culture  
*Herbert Mang*, President of the Austrian Academy of Sciences

#### **The Local Organizing Committee:**

*Winfried Mitaroff* (chairman)  
*Meinhard Regler* (deputy chairman)  
*Walter Majerotto* (director)

*Helmut Eberl*  
*Manfred Krammer*

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#### **International Organizing Committee:**

<http://www.desy.de/conferences/ecfa-lc-study.html#OrganizingCommittee>  
(chairman: *François Richard*, Paris)

#### **Sponsors:**

Austrian Academy of Sciences; Fed. Ministry of Economic Affairs and Labour; Fed. Ministry of Transport, Innovation and Technology; Vienna Convention Bureau; mobilkom Austria; DESY Laboratory, Hamburg.