

# ILC-HiGrade Kick-off Meeting

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# ILC-HiGrade – what is it anyway?

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- ILC-HiGrade is the Preparatory Phase project of the European Commission to work towards the realization of the **International Linear Collider**.
- The project is one of 30+ projects on the ESFRI list (via C.E.R.N. Council strategy) technically mature to be constructed.
- It addresses
  - a key technical component that affects the cost, i.e. SRF gradient with a goal of running the ILC at 31.5 MV/m
  - the formation of governance and financial structures in Europe that enable the realization of the project. The European Commission recognizes that this is a process with global implications

# ILC-HiGrade Work Packages

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- WP1: Management of the Consortium
- WP2: Integration and optimisation of the European contribution within the global GDE organisation as the ILC project moves through the GDE Engineering Design Phase
- WP3: Ensure that the characteristics and importance of the ILC, and its place within the world of science and research, is widely disseminated to the peoples of the European Union, and their governments
- WP4: Investigate features and develop possible schemes of governance for the ILC, exploiting expertise of CERN (LHC) and DESY (HERA) in international projects
- WP5: Prepare and investigate possible European sites for ILC construction
- WP6: Investigate and monitor the production process that yields high-gradient cavities with high yield. Establish the process in industry
- WP7: Optimization of the coupler conditioning at reduced cost
- WP8: Demonstrate suitability of tuner design in tests. Establish a cost-effective tuner production

# Goals for Today

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- Morning

- Overview of the Global and European Process for the implementation of the **International Linear Collider**

- Apologies from Brussels representatives who were not able to attend but send their feedback → Talk by F Lehner

- We will get a chance to feed back and interface with the European developments during a meeting in Brussels 29.9.2008.

- Afternoon

- Detailed planning of the work in the various work packages

# Work Packages



Work Package No	Work package title	Type of activity	Lead beneficiary	Person months	Start month	End month	Coordinator
WP1	Management	MGT	1	48	1	48	DESY
WP2	Coordination of European GDE Activity	COORD	6	74	1	48	Oxford
WP3	Dissemination and Outreach	COORD	6	88	1	48	Oxford
WP4	Governance	SUPP	6	87	1	48	Oxford
WP5	ILC Siting in Europe	SUPP	1	42	1	48	DESY
WP6	Cavities	RTD	1	148	1	48	DESY
WP7	Couplers	RTD	4	54	1	48	LAL
WP8	Tuners	RTD	5	30	1	48	Milan
	Total			571			

*Should nominate coordinating persons today*