

Physics at the Terascale

	Physics Analysis	Grid Computing	Detector Science	Accelerator Science
Scientific Goals	Data Analysis <ul style="list-style-type: none"> • Understanding LHC Detectors • Physics at the LHC • The path to the ILC 	Improved Grid <ul style="list-style-type: none"> • Virtualization • Application-driven monitoring • Development of NAF tools 	ILC Detectors <ul style="list-style-type: none"> • Vertex Detector • Tracking • Calorimetry • Forward Detectors 	Optimizing the ILC <ul style="list-style-type: none"> • Acceleration Technology • Sources • Beam Dynamics
	Analysis Tools <ul style="list-style-type: none"> • Algorithms and Techniques • Simulation Tools 			
	Theory/Phenomenology <ul style="list-style-type: none"> • Monte Carlo Generators • Precise Predictions • New Models 			
Work Packages	Analysis Network <ul style="list-style-type: none"> • Alliance Working Groups • Monte Carlo Group • Virtual Theory Institute 	Virtual Computing Centre <ul style="list-style-type: none"> • Tier 2 • National Analysis Facility • High performance network 	Virtual Detector Lab <ul style="list-style-type: none"> • VLSI & Electronics • Support Sensor Design & Characterization • Detectors Systems Support 	Advancing Accelerator Science
	Analysis Centre at DESY	R&D on Grid Tools: <ul style="list-style-type: none"> • Mass storage • Collaborative & Interactive tools • User friendliness 	R&D Projects	
	Training and Exchange	Grid Training		
Backbone Activities Management – Young Investigator Groups - Fellowships – Equal Opportunities – Outreach – Interim Professorships				

