



The International Linear Collider: By the Numbers

Collisions:	Electrons and their antiparticles, positrons, in bunches of 5 nanometres in height containing 10 billion particles and colliding 14,000 times per second
Energy:	Up to 500 GeV with an option to upgrade to 1 TeV
Collision Rate:	Bunches consisting of 2×10^{10} electrons and positrons each collide 14000 times per second, focused to a tiny area a few millionths of millimetres across
Acceleration Technology:	Superconducting radiofrequency using accelerating cavities made of pure niobium
Length:	Approximately 31 kilometres, plus two damping rings each with a circumference of six kilometres.
Accelerating Gradient:	31.5 megavolts per metre
Cavities:	16,000
Cryomodules:	2000
Cavity temperature:	1.8 Kelvin (-271.2 °C or -456°F).
Detectors:	2 in an interchangeable push-pull configuration
Site:	To be determined in the next phase of the project
ILC Community:	More than 100 laboratories and universities around the world involving currently about 1000 people are working on R&D programmes for the ILC
Management:	Global Design Effort, a team of approximately 60 scientists and engineers led by Barry Barish
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