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## Metrology in the integrated luminosity measurement at ILC

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Possibility that the ILD detector might be realized at a future  $e^+e^-$  collider calls for quantification of precision of the integrated luminosity measurement, assuming here the ILC operating scenarios at the Z-pole, 250 GeV, 500 GeV and 1 TeV center-of-mass energies. This is the first comprehensive study of the systematic uncertainties in integrated luminosity measurement at ILC, rising from metrology (detector positioning and alignment, beam properties and delivery to the IP), after the generic estimates given in LC-DET-2005-004.

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