

## Updating the laser-beam design of the ILC Compton polarimeters

*Tuesday, 23 October 2018 17:00 (30 minutes)*

A global review of the design of the laser-beam systems for the ILC polarimeters is made in view of modern and commercially available systems. This review is done in view of robustness of operations and ease of implementation while preserving or improving the required performances of the laser system at the Compton Interaction Point. The challenges related to precise demonstration of per-mille control of the laser-beam circular polarization at the Compton IP will be exposed, since it is one of parameters that will ultimately limit the precision of the polarimeters.

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