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Precision Polarimetry for the ILC

The physics program of the International Linear Collider requires the knowledge of the luminosity weighted average polarisation at the electron-positron collision point with a yet unprecedented precision of 0.25% or better. Crucial ingredients to reach this goal are fast and precise Laser-Compton-Polarimeters measuring before and behind the collision point as well as the understanding of the spin transport and depolarising effects at the permille level. This contribution will review recent developments for the polarimeters, their detectors and calibration systems as well as recent recent results on the spin tracking between the polarimeters and the collision point.

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