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The FCCee Inverse Compton polarimeter design

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For the FCC week 2025, we aim to present the most recent advances in the design of the inverse Compton polarimeters for the energy calibration at the Z and WW modes of the FCC-ee machine. The polarimeter will track the polarization state of a set of non-colliding polarized bunches dedicated to energy calibration. The same instrument will also be used to insure there is no polarization buildup in the colliding bunches.

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