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The challenges of collision-energy calibration above the Z pole

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Many key measurements at FCC-ee, such as the determination of the W-boson and top-quark mass and widths, require excellent knowledge of the collision energy. Resonant depolarisation, which will be the principal tool for calibration of the beam energy at the Z pole, will be much more demanding in the W+W- regime, and impossible at higher energies. Related challenges exist for the measurement of certain properties of the Higgs boson. These challenges are reviewed, and strategies proposed by which they may be overcome.

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