

HFOC

PLT

 Calibration uncertainties [%]

Bunch current measurement

0.2

Orbit drift

0.3

Length scale calibration

0.8

Beam-beam effects

0.8

Residual beam position differences

1.0

Factorization bias

0.8

Statistical uncertainty

< 0.1

Scan-to-scan consistency

0.4

Bunch-to-bunch consistency

0.5

0.4

Cross-detector consistency

0.4

 Transfer and integration uncertainties [%]

Out-of-time pileup corrections

0.2

< 0.1

Cross-detector stability

0.1

Cross-detector linearity

< 0.1

CMS deadtime

< 0.1

 Total uncertainty [%]

1.9