Fill 6016 (2017, 13 TeV) 2.0 Χ **CMS** Preliminary 1.5 HFET, vdM6 Beam-beam deflection $[\mu \mathrm{m}]$ 1.0 0.5 0.0 -0.5-1.0-1.5-2.0-600-400-200200 400 600 Beam separation $[\mu m]$