Running a Spectrum Unlocked, with a Z-Gradient

1. Lock, shim, and run a standard spectrum, as usual.

2. Turn the lock and lock-sweep off:

   In the *Lock/Level* tab of the BSMS control panel, unclick the $\boxed{\text{lock}}$ and $\boxed{\text{sweep}}$ buttons.

3. If running with a gradient,

   (a) change pulprog to `zg30Grad`

   (b) set gpz0 to the desired z-gradient strength. (0 – 100 % of maximum; 0.1 – 1 work well)

4. Run spectrum (zg) as usual.

5. When done, don't forget

   - to turn the lock-sweep and lock back on, in the BSMS panel.

   - to reset gpz0 to `0`.