

## Supplementary Information

### Subdiffraction Nanofocusing of Circularly Polarized Light with Plasmonic Cavity Lens

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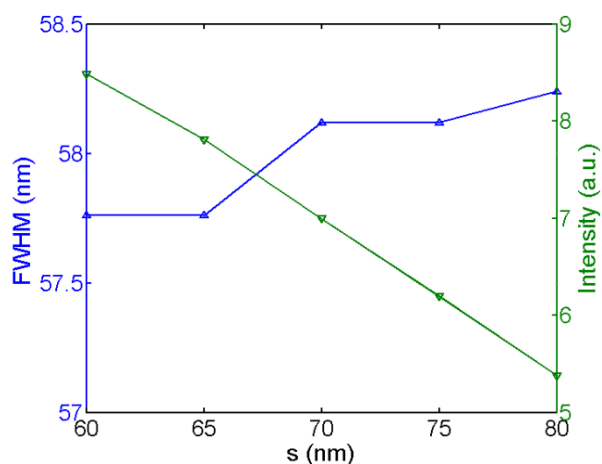


Fig. S1 Size (FWHM) and intensity of the focal spot under the different slot width  $s$ .

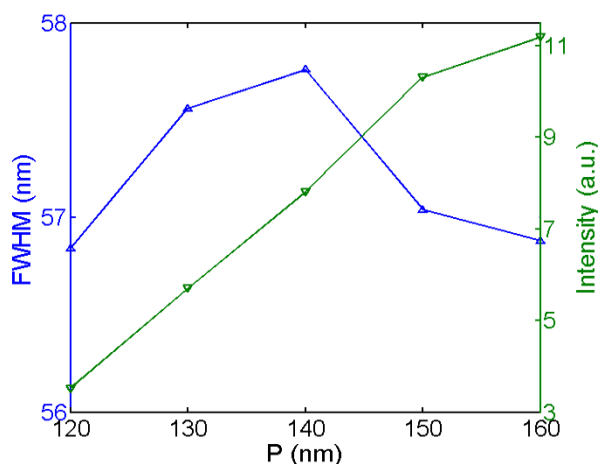


Fig. S2 Size (FWHM) and intensity of the focal spot under the different screw pitch  $P$ .

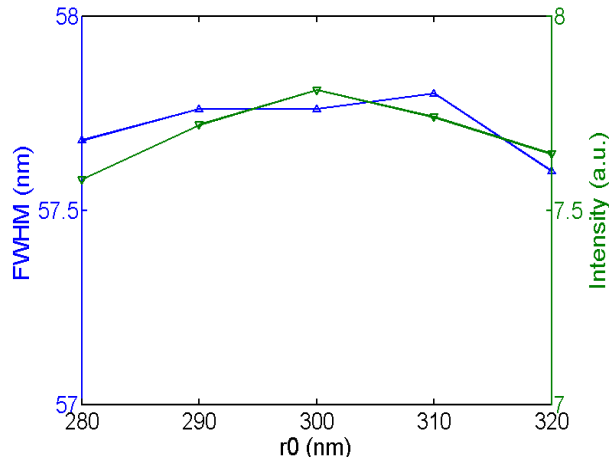


Fig. S3 Size (FWHM) and intensity of the focal spot under the different initial distance  $r_0$ .

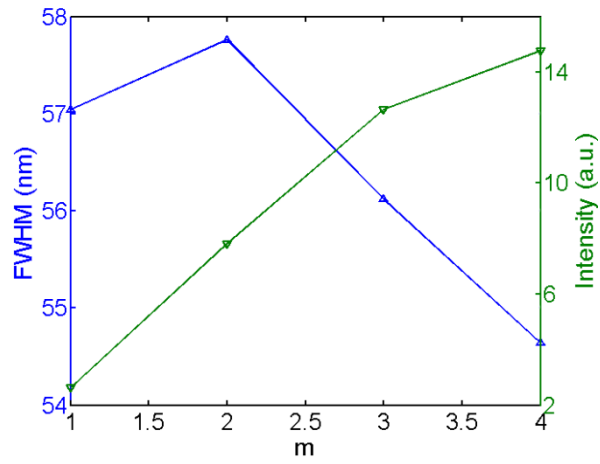


Fig. S4 Size (FWHM) and intensity of the focal spot under the different number of turns  $m$ .