## Mortensen Simulations, $\theta$ =68° - 74 Gaussian Gaussian 160 20 20 - 72 15 15 140 Perpendicular error ( $\Delta \perp$ ), nm Perpendicular error ( $\Delta \perp$ ), nm 10 10 - 70 120 5 5 ر 8 Theta error 0 -5 66 60 -10 -10 64 -15 40 -15-20 -20 20 0 10 20 **-**20 10 -20 -1062 -10 0 Parallel error ( $\Delta \parallel$ ), nm Parallel error ( $\Delta \parallel$ ), nm 0 20.0 80 Hinterer Hinterer 20 20 17.5 - 70 15 15 15.0 60 Perpendicular error ( $\Delta \perp$ ), nm Perpendicular error ( $\Delta \perp$ ), nm 10 10 12.5 50 5 5 0.01 Theta error 0 0 **-**5 30 7.5 -10 -10 20 5.0 -15 -15-20 **-**20 10 2.5 **-**20 0 10 **-**20 -10 0 10 -10Parallel error ( $\Delta \parallel$ ), nm Parallel error ( $\Delta \parallel$ ), nm Mortensen Mortensen 160 60 20 20 15 15 140 50 error ( $\Delta \perp$ ), nm error ( $\Delta \perp$ ), nm 10 10 120 5 5 error 0 ω Theta 80 문 Perpendicular Perpendicular -5 60 -10 -10 - 20 -15 -1540 -20 <del>+</del> -20 -20 <del>+</del> -20 - 10 20

0

Parallel error ( $\Delta \parallel$ ), nm

-10

10

- 0

-10

0

Parallel error ( $\Delta \parallel$ ), nm

10

- 0