

2.0

1.5

0.0

0.5

1.0

Dark time  $\tau$  (ms)

0.5

Dark time  $\tau$  (ms)

0.0

## Low NV density

•  $T_1 \sim 5 \text{ ms}$ 

- High NV density
- Stretched exp. profile •  $T_1 \sim 0.5 \text{ ms}$

2.0