## Linear QSD 1.0 0.04 Scheme I Scheme II Average Error 0.03 Scheme II + Noisy 0.8 Scheme II + Noisy + M3 0.02 0.01 Population 0.6 0.00 $|11\rangle$ $|00\rangle$ $|01\rangle$ 0.4 0.2 0.0 5 10 15 20 25 0 Time (tJ)Nonlinear QSD 1.0 0.03 Scheme I Scheme II Average Error Scheme II + Noisy 0.02 0.8 Scheme II + Noisy + M30.01 Population 0.6 0.00 $|11\rangle$ $|00\rangle$ $|01\rangle$ 0.4 0.2 0.0 5 15 10 20 25 0 Time (tJ) $|00\rangle$ Exact $|00\rangle$ Scheme I $|00\rangle$ Scheme II $|00\rangle$ Scheme II + Noisy + M3 |11| Exact |11| Scheme I $|11\rangle$ Scheme II |11\rangle Scheme II + Noisy + M3 $|01\rangle$ Exact $|01\rangle$ Scheme I $|01\rangle$ Scheme II $|01\rangle$ Scheme II + Noisy + M3