Linear QSD 1.0 0.020 Scheme II Scheme I Average Error 0.015 0.8 0.010 0.005 Population 0.6 0.000 $|00\rangle$ $|11\rangle$ $|01\rangle$ 0.4 0.2 0.0 5 10 15 20 25 0 Time (tJ)Nonlinear QSD 1.0 0.020 Scheme I Scheme II Average Error 0.015 0.8 0.010 0.005 Population 0.6 0.000 $|00\rangle$ $|\dot{11}\rangle$ $|01\rangle$ 0.4 0.2 0.0 5 10 15 20 25 0 Time (tJ) $|00\rangle$ Exact $|00\rangle$ Scheme I $|00\rangle$ Scheme II |11| Exact $|11\rangle$ Scheme I $|11\rangle$ Scheme II $|01\rangle$ Exact $|01\rangle$ Scheme I $|01\rangle$ Scheme II