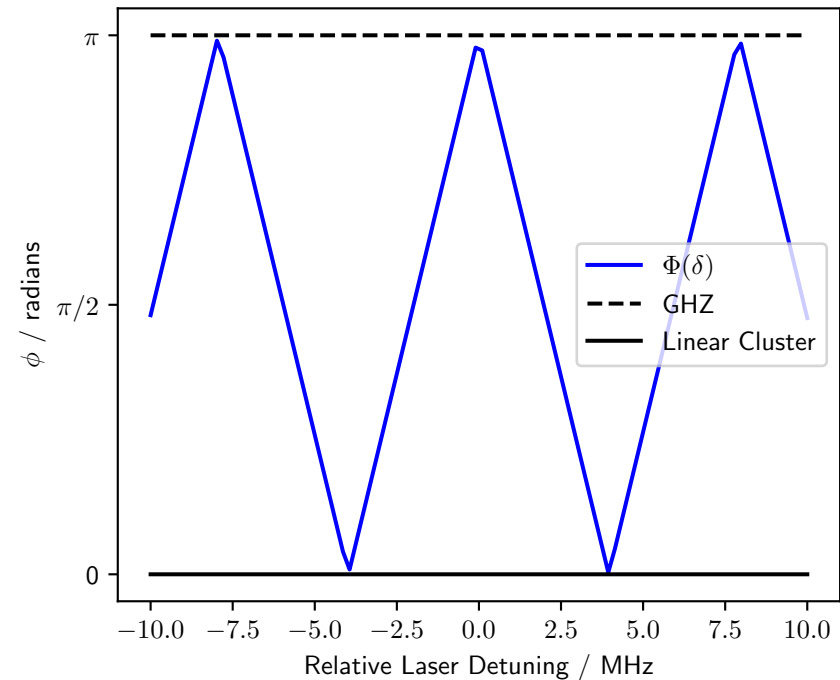


Evolution of  $\Phi$  with laser detuning for Rotation 5Evolution of  $\Phi$  with laser detuning for Rotation 7