

## Local decay for time period Schrödinger equations

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We consider Schroedinger equations with potentials which are  $2\pi$  periodic in time and decay suitably at spatial infinity. Assume that the Floquet operator  $U(2\pi, 0)$  does not have eigenvalues except 1. We show that, for suitably decaying initial states, the solution has an asymptotic expansion as  $t \rightarrow \infty$ , extending the results of Jensen-Kato and Murata. This is a joint work with A. Galtbayar and A. Jensen.