

## **abstract**

MATHEMATICAL PHYSICS SEMINAR

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We discuss the dynamics of soliton-like solutions of the nonlinear Schroedinger-Gross Pitaevskii equation. After a review of basic results, we outline recent work on the large time energy distribution in multimoded systems and on gap-solitons, localized states with frequencies in spectral gaps associated with a background periodic potential.