

## Program of the Workshop: KAM theory and Dispersive PDEs

### Monday, Sept. 8

15.00-15.50 W. Craig: *TBA*

16.10-17.00 T. Ozawa: *Systems of quadratic dispersive equations.*

Coffee break

17.30-18.20 D. Bambusi: *On metastability in the Fermi Pasta Ulam problem.*

### Tuesday, Sept. 9

10.00-10.50 F. Planchon: *From dispersion to Strichartz: a longer journey than usual.*

11.10-12.00 N. Burq: *Dynamics for the damped non linear Klein Gordon equation.*

15.00-15.50 M. Berti: *KAM for quasi-linear PDEs.*

Coffee break

16.30-17.20 T. Kappeler: *On the 1-smoothing property of the nonlinear Fourier transform of the defocusing NLS equation and its applications.*

### Wednesday, Sept. 10

10.00-10.50 W.-M. Wang: *Quasi-periodic solutions for nonlinear wave equations.*

11.10-12.00 H. Kovarik: *Time decay of the wave functions for two-dimensional magnetic Schrödinger operators.*

15.00-15.50 H. Eliasson: *Almost reducibility for the quasi-periodic linear wave equation.*

Coffee break

16.30-17.20 X. Yuan: *KAM Tori and Long time stability of Hamiltonian PDEs with Unbounded Perturbations.*

### 20.00 social dinner (Hotel Forum)

### Thursday, Sept. 11

09.00-09.50 L. Vega: *The Talbot effect in a non-linear dynamics.*

Coffee break

10.30-11.20 N. Visciglia: *Scattering for NLS in the partially periodic case.*

11.30-12.20 R. Carles: *Scattering for nonlinear Schrödinger equation under partial harmonic confinement.*

### 16.00 visit to “Accademia Nazionale dei Lincei”