

MODENA S3

PISA NEST

JAN
18 **Andrea Alessandrini**
 The role of mechanical and thermodynamic properties on the activity of biological systems: the case of lipid bilayers and neurosteroids

19 **Antonella De Pasquale**
 Cut-and-paste restoration of entanglement-breaking channels: quantum correlations transmission with noisy channels

FEB
1 **Sergio D'Addato**
 Physical synthesis of nanoparticles: some case studies for a rational design of advanced materials

16 **Lorenzo Baldacci**
 Terahertz quantum cascade lasers for water management in agriculture

MAR
8 **Giorgia Brancolini**
 Atomistic simulations of the interaction of Au nanoparticles with amyloidogenic proteins

16 **Alessandro Braggio**
 Signatures of topological transitions in low-dimensional Josephson junctions

APR
12 **Andrea Bertoni**
 Time-dependent modeling of carriers in quasi 2D systems: indirect excitons and Hall edge states

20 **Francesca Telesio**
 Dephasing in strongly anisotropic black phosphorus

MAY
3 **Sergio D'Addato**
 Physical synthesis of nanoparticles: some case studies for a rational design of advanced materials

18 **Khatuna Kakhiani**
 Manipulating graphene morphology: theory and computer simulations

JUN
7 **Valerio Bellini**
 Magnetic molecules on surfaces: a DFT look into molecular spintronics

15 **Pauli Virtanen**
 Spin pumping and torque statistics in the quantum noise limit

**Colloquia will take place at 15. 00 in Modena and at 11.00 in Pisa.
 All talks can be attended by video conference in the other Nano centre.**

Presentations will be available for downloading in a dedicated webpage in the Cnr nano website.

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