

## Timetable of the on-line course “Neutron Scattering” (3 CFU)



**Friday 29th January, 4 pm** (on-line on Microsoft TEAMS)

**Introduction to the Course**

Lecturer: Livia Bove & Antonio Benedetto

**Wednesday 3 February, 11 am** (on-line, Meet link: <https://meet.google.com/yxf-prad-mef>)

**Introduction on neutron scattering, part 1**

Lecturer: Livia Bove

**Monday 8th February, 3 pm** (on-line on Microsoft TEAMS)

**Introduction on neutron scattering, part 2**

Lecturer: Antonio Benedetto

**Wednesday 10th February, 11 pm** (on-line, link will be provided)

**Inelastic neutron scattering and *INS-Raman* experiments: Theory, experimental set-up and examples of applications**

Lecturer: M. Jimenez (ILL, Lagrange beamline responsible, Grenoble, France)

Presented by : Livia Bove

**Monday 15th February, 3 pm** (on-line on Microsoft TEAMS)

**Elastic and quasi-elastic neutron scattering: Theory, experimental set-up and examples of applications**

Lecturers: Antonio Benedetto and Jan Embs (Paul Scherrer Institute, Switzerland)

**Wednesday 17th February, 11 am** (on-line, link will be provided)

**Combining Elastic, Quasi-Elastic and Small angle neutron scattering: applications to liquids.**

Lecturer: Jose Teixeira (*Laboratoire Léon Brillouin, Saclay*)

Presented by : Livia Bove

**Monday 22nd February, 3 pm** (on-line on Microsoft TEAMS)

**Small-Angle Neutron Scattering: Theory, experimental set-up and examples of applications**

Lecturers: Antonio Benedetto and Elizabeth Kelley (National Institute of Standards and Technology, USA)

**Wednesday 24th February, 11 am** (on-line, link will be provided)

**High pressure neutron scattering: hardware, challenges and examples of applications**

Lecturer: Stefan Klotz (Institut de minéralogie, de physique des matériaux et de cosmochimie, Paris, France)

Presented by : Livia Bove

**Monday 1st March, 3 pm** (on-line on Microsoft TEAMS)

**Neutron Spin-Echo spectroscopy: Theory, experimental set-up and examples of applications**

Lecturers: Antonio Benedetto and Antonio Faraone (National Institute of Standards and Technology, USA)

**Wednesday 3rd March, 11 am** (on-line, link will be provided)

**Neutron diffraction : hand-on tutorial on crystalline structures analysis**

Lecturer: Umbertoluca Ranieri (Sapienza University)

Presented by : Livia Bove