

1222·2022  
**800**  
ANNI



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



DIPARTIMENTO  
**MATEMATICA**

DIPARTIMENTO DI MATEMATICA "TULLIO LEVI-CIVITA"

# SEMINAR

1 UNIVERSITY CREDIT - 5 LESSONS

## SIMULATION MODELS FOR PHYSICS OF MATTER

5 lessons in English, 2 hours each, online and face-to-face

The first 3 meetings will be dedicated to atomic and subatomic physics and will be held by Prof. Fabio Fracas. The last 2 appointments will be devoted to the practical aspects related to the programming of simulation models and will be held by Dr. Federico Carminati.

The lessons will be held from 16:30 to 18:30 - Room 1BC50, with the following schedule:

27 Feb '23	Atomic Physics
28 Mar '23	Nuclear Physics
12 Apr '23	Standard Model of the Particle Physics
2 May '23	Monte Carlo Method, Applied to Physics of Matter
17 May '23	Major Softwares for Physics of Matter



Up to two of the course participants may be selected for a paid training experience at Transmutex, with the remote working method and paid travel at the headquarters in Geneva.



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