

## Lecture: Number Theory and Physics (I)

*Thursday, January 25, 2024 11:00 AM (1h 30m)*

In the first lecture we discuss how to experimentally realize a holographic quantum potential which encodes prime numbers (or other desired number sequences) as quantum eigenvalues and how can be addressed question of high complexity in number theory (such as the primality or the factorization of an integer) by means of simple quantum experiments.

The course will also be accessible online: <https://www.ihp.fr/en/live> and/or <https://univ-cotedazur.zoom.us/j/3777115746?omn=838878558>

Recording will be available later on: <https://www.carmin.tv/en/>

**Presenter:** MUSSARDO, Giuseppe (SISSA)