



University of Crete  
Department of Physics

## *Physics Colloquium*

Thursday, 29 May 2025 | 17:00 – 18:00, Seminar Room 3<sup>rd</sup> Floor

### **Scattering Strings on flat and curved space-times**

**Prof. Luis Fernando Alday FRS**

*University of Oxford, UK*

#### **ABSTRACT**

I will give a pedagogical account on recent progress regarding the computation of string scattering amplitudes. Since first computed, they pointed out the important differences between Quantum Field Theory and String Theory at high energies. String scattering amplitudes will be presented in both flat and curved space-times. The curved space-times computation was possible only recently. I will also point at surprising connections with number theory. No knowledge of string theory, or number theory, will be assumed.