

PerAPS

2025

MARTEDÌ 2 SETTEMBRE



A.D. 1308

unipg

DIPARTIMENTO
DI FISICA E GEOLOGIA

ORE 15:00 - AULA A



Quarkonium production: where do we stand?

Jean-Philippe Lansberg



I will review the current status of our understanding of quarkonium production after nearly 15 years of LHC data. I will discuss prospects for the US EIC and argue that more precise photoproduction data will be complementary to that from the LHC. I will then propose a solution to the so-called $\psi(2S)$ surplus at large p_T , first discovered at the Tevatron, then confirmed at the LHC. This solution bears upon the complete consideration of relativistic corrections.