

ALEJANDRO SÁEZ GONZALVO

Newcomers Fest 2025, IFIC

12/12/2025



A bit about me...



Bachelor: Zaragoza

Master: UCM, Madrid

Thesis on inflation & resonances

Ph.D.: IFT, UAM, Madrid

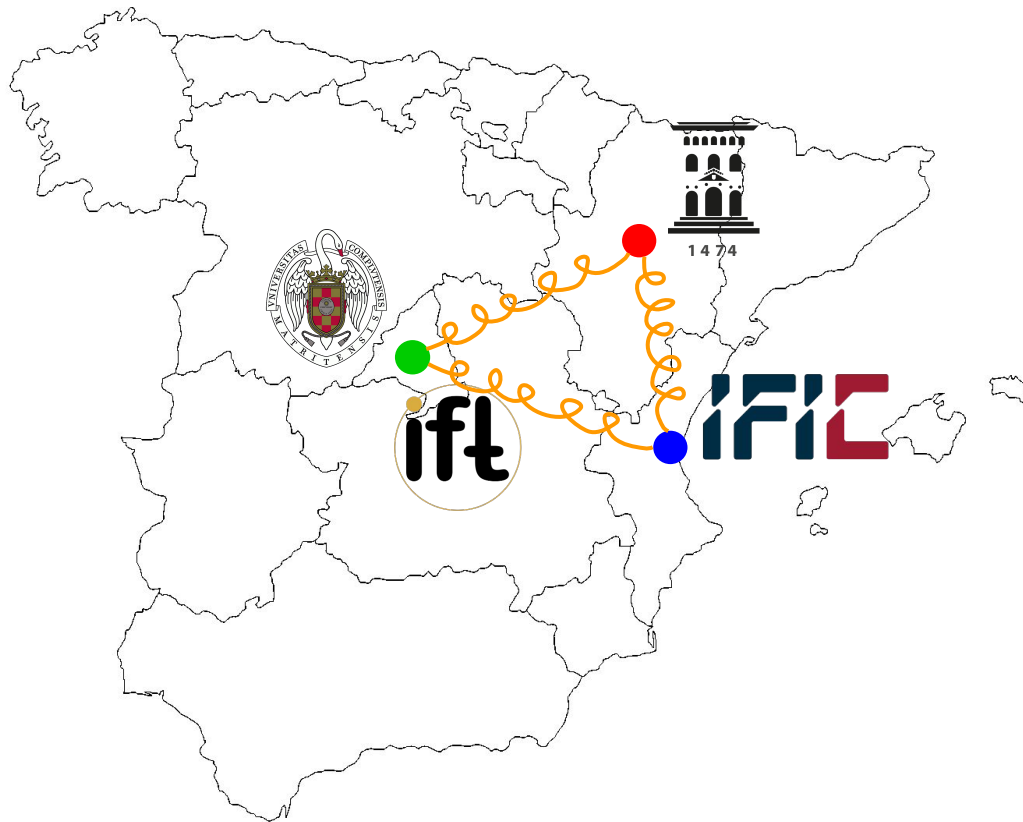
Lattice field theory

→ Gregorio Herdoiza, Carlos Pena

Postdoc: IFIC, UV

Lattice field theory

→ Alberto Ramos

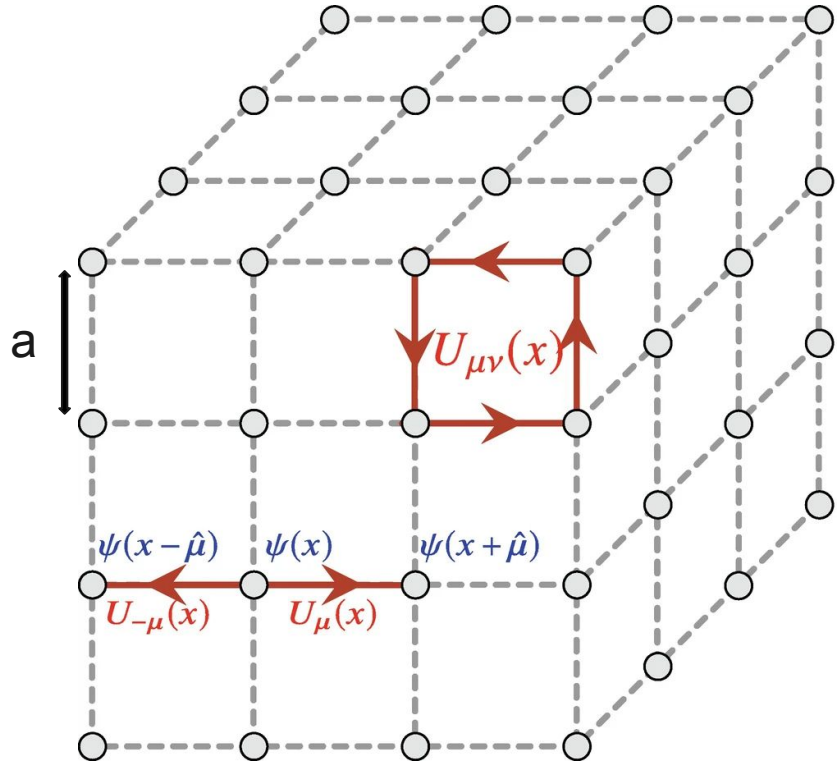


Lattice Field Theory: why?

→ Non-perturbative physics:

- ◆ Triviality
- ◆ Technicolor
- ◆ SUSY breaking

...



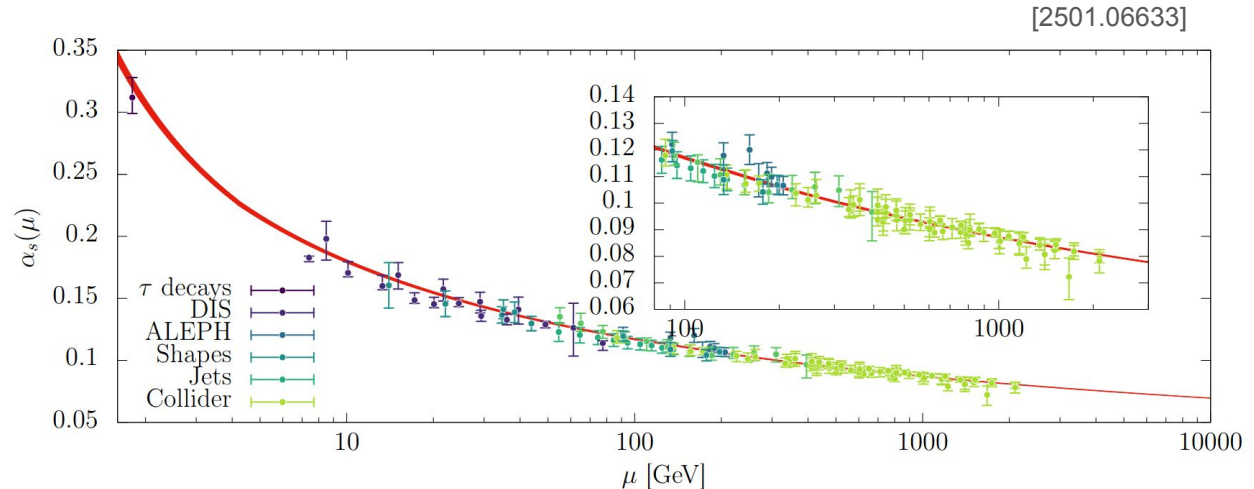
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- ◆ Hadronic physics



Lattice Field Theory: why?

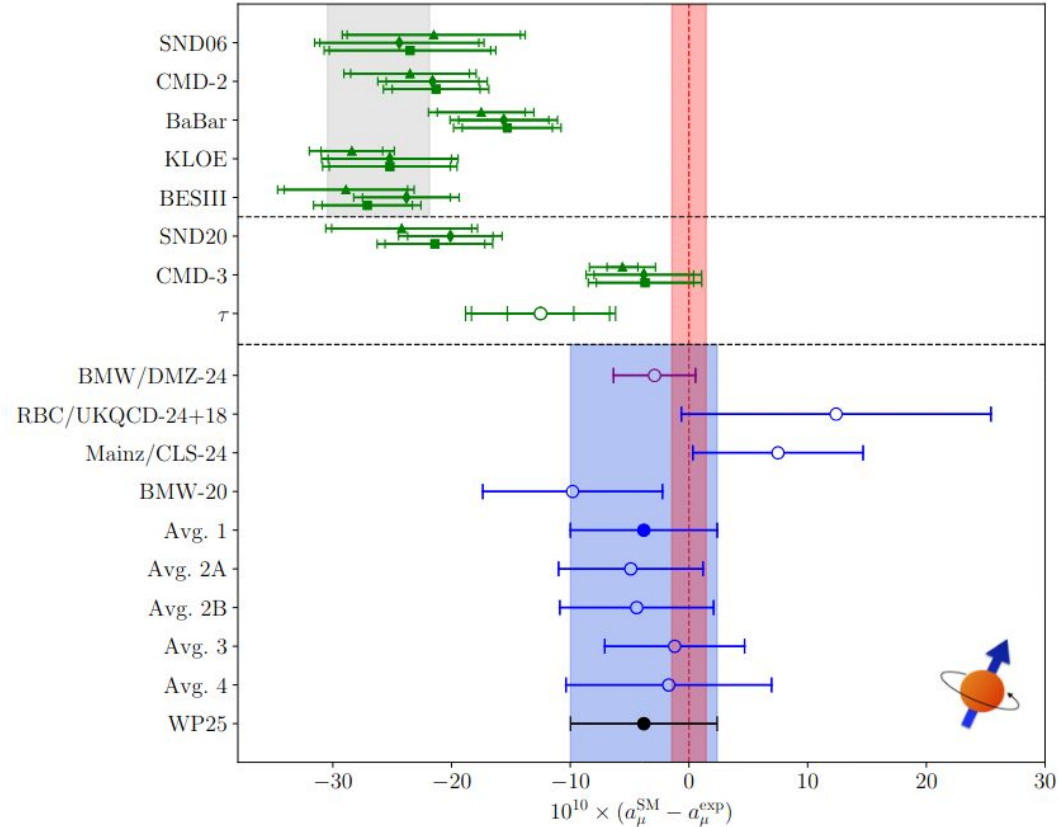
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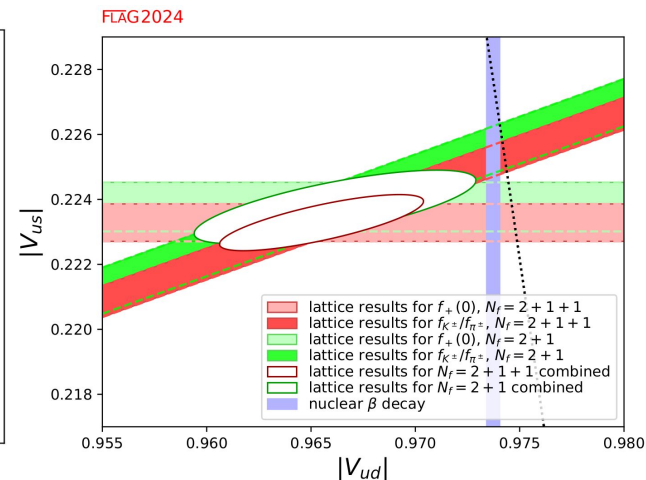
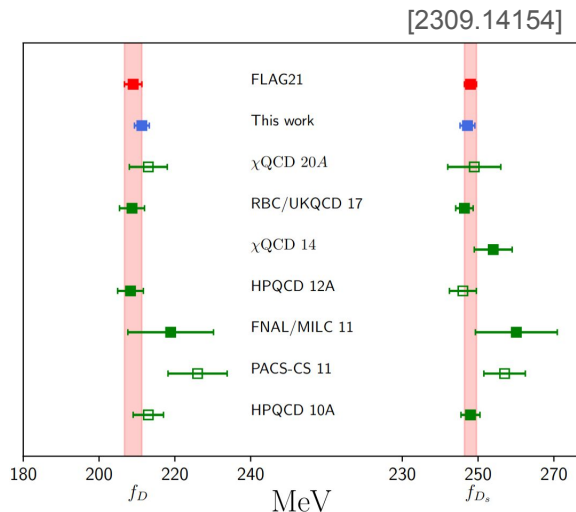
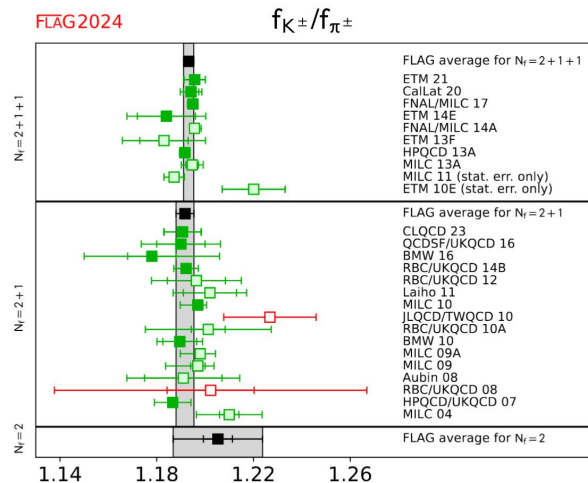
- ◆ Hadronic physics: e.g.
muon g-2



Lattice Field Theory: my research focus

→ Strong sector of SM: QCD

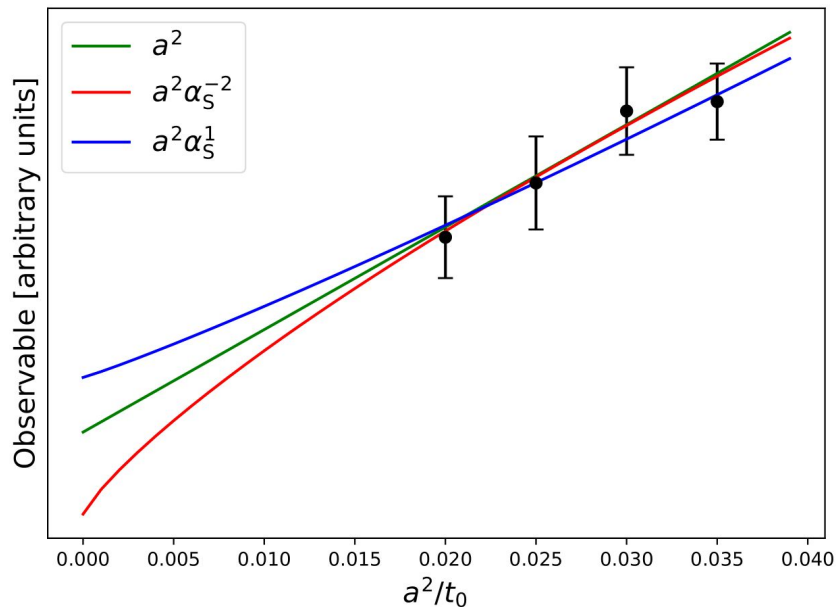
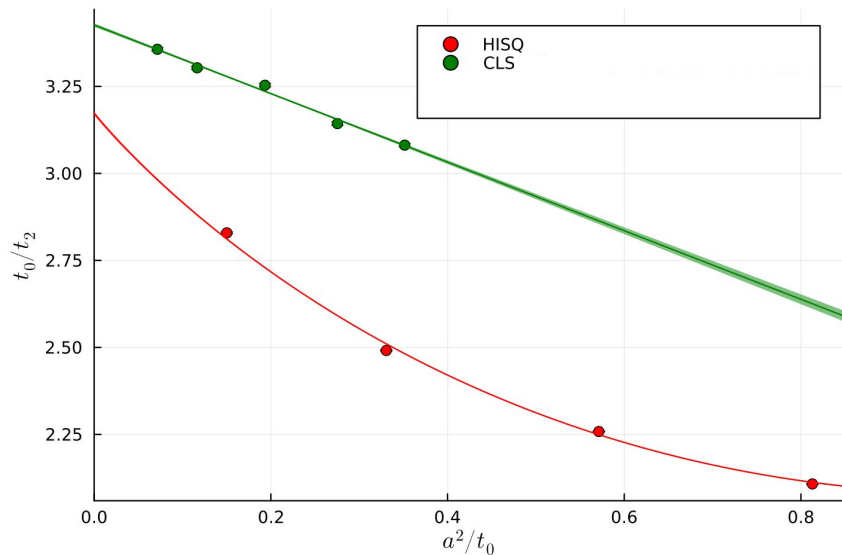
◆ Quark flavour physics: leptonic & semileptonic decays, CKM unitarity, quark masses, scale setting, ...



Lattice Field Theory: my research focus



→ Universality of LFT & continuum limit





VNIVERSITAT
ID VALÈNCIA



EXCELENCIA
SEVERO
OCHOA



Flavour and Origin of Matter
Sabor y Origen de la Materia

Thanks!

You can find me @ office 509, IATA, in the basement :(

