

IFIC Newcomers Fest 2025

Jose Manuel Morgado Chávez

Friday, December 12th 2025

IFIC, Valencia

Research interests and trajectory

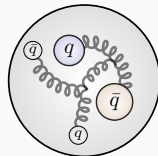
Main research interests

Quantum chromodynamics (non perturbative)

- Chiral symmetry breaking
- Meson structure and properties

Inverse ill-posed problems

- Radon transform
- Fourier transform



Research interests and trajectory

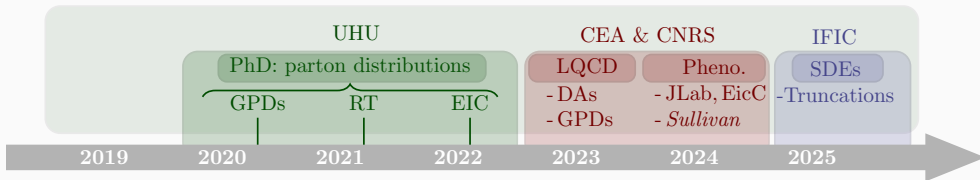
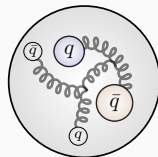
Main research interests

Quantum chromodynamics (non perturbative)

- Chiral symmetry breaking
- Meson structure and properties

Inverse ill-posed problems

- Radon transform
- Fourier transform



Research interests and trajectory

Generalized parton distributions

- Modeling light pseudoscalar mesons
- *Sullivan* process @ EIC
- Forward/backward kinematics



APFEL++

Research interests and trajectory

Generalized parton distributions

- Modeling light pseudoscalar mesons
- *Sullivan* process @ EIC
- Forward/backward kinematics

Lattice QCD

- Heavy pseudoscalar mesons
- Parton distributions



APFEL++

Research interests and trajectory

Generalized parton distributions

- Modeling light pseudoscalar mesons
- *Sullivan* process @ EIC
- Forward/backward kinematics

Lattice QCD

- Heavy pseudoscalar mesons
- Parton distributions

Schwinger-Dyson equations

- Truncations consistent symmetry
- Meson properties: Bethe-Salpter equation



APFEL++

Research interests and trajectory

Generalized parton distributions

- Modeling light pseudoscalar mesons
- *Sullivan* process @ EIC
- Forward/backward kinematics

Lattice QCD

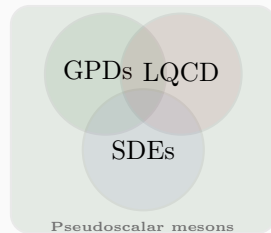
- Heavy pseudoscalar mesons
- Parton distributions

Schwinger-Dyson equations

- Truncations consistent symmetry
- Meson properties: Bethe-Salpter equation



APFEL++



Thank you!