



université
PARIS-SACLAY

« Flavor path to new physics »

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Under the supervision of Damir Becirevic & Asmaa Abada

Where I'm from



Pyrénées



“CHOCOLATINE”



Where I studied

Bachelor / “Prépa” in Paris
(Lycée Louis Le Grand)



2018-2020

L3-M1/ Engineering school in
Ecole Polytechnique
(Palaiseau)



2020-2023

M2 ICFP Theoretical
Physics in Paris
(ENS/Sorbonne/Paris
Cité)



2023-2024

My PhD topic : Flavor physics/BSM

Context :

The Standard Model fails at explaining some observations, for example ..

Neutrino
masses

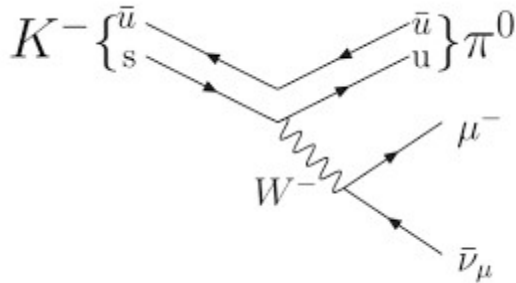
Insufficient CP
violation for
Baryogenesis



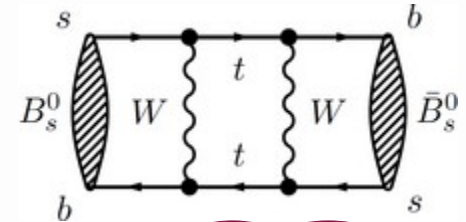
so we need

Beyond the
Standard Model
(BSM) scenarios

In my PhD, I explore the impact of some BSM scenarios on flavor physics observables, for example :



Semileptonic decays with
sterile neutrinos



Neutral meson mixing in
the Two Higgs doublet
model

Thank you for
your attention !

