



DEPARTMENT OF PHYSICS

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Master's degree in Advanced Methods in Particle Physics

MEASUREMENT OF MATTER-ANTIMATTER  
ASYMMETRIES WITH THE LHCb EXPERIMENT

*Study of asymmetry in  $B^\pm \rightarrow h^\pm h^+ h^-$  decay*

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# Contents



# Introduction

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# Chapter 1

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## 1.1 Chapter 1, Section 1

In the analysis we used two dataset: simulated and real data. The simulated dataset contains signal events under the assumption of a perfect detector. We are interested in analysing the decays of particles called  $B^+$  or  $B^-$  mesons decaying into three other mesons called kaons ( $K^+$  or  $K^-$ )

# Chapter 2

# Chapter 2

## 2.1 Chapter 2, Section 2

# Conclusions

Conclusions