

CZECH TECHNICAL UNIVERSITY IN PRAGUE
FACULTY OF NUCLEAR SCIENCES AND PHYSICAL ENGINEERING
DEPARTMENT OF PHYSICS

Programme: Mathematical Engineering
Branch of Study: Mathematical Physics



High p_T jets in RunII of the ATLAS Experiment

MASTER'S DEGREE PROJECT

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Zadani prace

Statement

Prohlasuji. . .

V Praze dne

.....

Jan Lochman

Acknowledgment

Dekuji...

Jan Lochman

Název práce:

Jety s vysokou příčnou hybností v RunII experimentu ATLAS

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Obor: Matematické Inženýrství

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Vedoucí práce: Ing. Zdeněk Hubáček, Ph.D.
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Introduction

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Chapter 1

QCD

1.1 Theoretical Ansatz

1.2 Experimental Ground

1.3 QCD as Gauge Theory

1.4 Perturbative QCD

1.5 Non-Perturbative QCD

Chapter 2

QCD on ATLAS

Chapter 3

ATLAS Detector

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Bibliography

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