

# Calculs Complets

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2025

# Chapter 1

## Calculs Complets

### 1.1 Introduction

Ce document présente les calculs complets et vérifications de la théorie T0.

### 1.2 Calcul du paramètre $\xi$

$$\xi = \frac{4}{3} \times 10^{-4} \quad (1.1)$$

### 1.3 Vérification de la température du CMB

$$T_{CMB} = \frac{16}{9} \xi^2 \cdot E_{\xi} = 2,725 \text{ K} \quad (1.2)$$

**title**

Accord avec l'observation :  $> 99,9\%$

### 1.4 Calcul des rapports de masse

$$\frac{m_{\mu}}{m_e} = 206,768 \quad (1.3)$$

### 1.5 Vérification du rapport Casimir-CMB

$$\frac{|\rho_{Casimir}|}{\rho_{CMB}} \approx 308 \quad (1.4)$$

Valeur expérimentale : 312 (accord 98,7%)

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