

# T0 vs. Standardmodell: Eine konzeptionelle Analyse

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# Kapitel 1

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## **Zusammenfassung**

Dieses Dokument vergleicht die T0-Theorie systematisch mit dem Standardmodell der Teilchenphysik und analysiert konzeptionelle Unterschiede und Vorteile.

## 1.1 Überblick

### 1.1.1 Das Standardmodell

Das Standardmodell (SM) ist der etablierte Rahmen für Teilchenphysik:

- 17 fundamentale Teilchen
- 20+ freie Parameter
- Keine Erklärung für Massenwerte

### 1.1.2 Die T0-Theorie

Die T0-Theorie bietet:

- Vereinheitlichtes Zeitfeld
- 1 freier Parameter ( $\xi$ )
- Vorhersage aller Massen

## 1.2 Vergleich der Ansätze

Aspekt	Standardmodell	T0-Theorie
Freie Parameter	20+	1
Massen	Input	Output
$\alpha$	Input	Berechnet
$G$	Input	Berechnet
Dunkle Energie	Mysteriös	Erklärt

Tabelle 1.1: Vergleich SM vs. T0

## 1.3 Konzeptionelle Vorteile von T0

1. **Parameterreduktion:** Von 20+ auf 1
2. **Vorhersagekraft:** Alle Massen berechnet
3. **Vereinheitlichung:** QM + RT + Kosmologie

## 1.4 Herausforderungen

- Experimentelle Bestätigung noch ausstehend
- Vollständige Renormierung zu zeigen
- Akzeptanz in der wissenschaftlichen Gemeinschaft

### Ein neues Paradigma?

Die T0-Theorie repräsentiert möglicherweise ein neues Paradigma in der Physik, das die Fragmentierung der modernen Theorien überwindet.

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