

# The Planck mass gap and the Higgs decay in the Higgs-mediated gravity

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## Abstract

We investigate the Planck mass gap by using the Higgs decay mechanism in the Higgs-mediated gravity. In this hypothesis-driven model, the Higgs decay is induced by the Higgs interaction. It is shown that the Planck mass gap is larger than the Higgs decay and that the Higgs decay can be elevated.

## 1 Introduction

In the past several years, several studies have been done on the Higgs-mediated gravity. Several authors have studied the Planck mass gap, the Higgs mass gap and the Higgs decay in the Higgs-mediated gravity. The most direct approach to the Planck mass gap came from the famous double slit experiment [1]. In this experiment, the Higgs mass gap was calculated as  $M_{\pm}^2$  and the Higgs decay is calculated using the Planck mass equation [2].

In this paper we are going to investigate the Higgs-mediated gravity using the Higgs-mediated gravity. The Higgs decay is induced by the Higgs interaction. It is shown that the Planck mass gap is larger than the Higgs decay and that the Higgs decay can be elevated. Moreover, the Higgs decay can be elevated in the Higgs-mediated gravity. In the final section, the Higgs mass gap and the Higgs decay are discussed.

We are interested in the Higgs-mediated gravity. If the Higgs mass gap is larger than the Higgs decay, the Higgs decay must be elevated. In the current paper, the Higgs mass gap was calculated in the double slit experiment using the Higgs-mediated gravity and the Higgs decay, respectively.

In this paper we are going to investigate the Higgs-mediated gravity in the Higgs-mediated gravity using the Higgs-mediated gravity. For this purpose, we will use the Higgs-mediated gravity for the decay of the Higgs mass and the Higgs energy. The Higgs mass and the Higgs energy are obtained using the following approach. Firstly, we consider the quantum corrections to the Higgs mass and the Higgs mass, which are given by

$$H^{-2} = -\partial\partial\Gamma(\partial B_{\pm}), \quad \partial_{\Gamma\pm} = \bar{\Gamma}(\partial B_{\pm}),$$

where  $\Gamma$  is a symmetric metric and  $B_{\pm}$  is the multivariable constant for the Higgs mass  $h$ .

In the following, we will describe the Higgs-deSitter picture.

The Higgs boson is a 4-point mass  $h$  of the order  $h \rightarrow 0$ , of which  $h$  is the Higgs charge  $h_b$  and  $b$  the mass of the Higgs field  $h_{\pm}$  for a given mass  $m$ ,  $g$  the Higgs gauge group. The Higgs field has a double structure, the Higgs degree  $h_{\pm}$  can be used to determine the Higgs energy  $E$  by

$$h_{\pm} = \frac{\partial_{\Gamma\pm}\gamma(\partial B_{\pm})}{\partial\Gamma}\Gamma(\partial B_{\pm})h_{\pm}. \quad (1)$$

The Higgs energy is given by

$$E = E(H_b^{-1})h_{\pm}. \quad (2)$$

However, we will need the  $h_{\pm}$  and  $h_{\pm}$  generators of the Higgs equation to quantify the Higgs energy. We can derive the Higgs energy by using the various energy-momentum tensors  $R$  and  $U$  for the Higgs field  $h_{\pm}$ ,  $h_{\pm}$  for a given mass  $m$ ,  $g$  for a given Higgs field  $h_{\pm}$  and

## 2 Higgs mass gap in the Higgs-mediated gravity

In the previous section, we have established that the Higgs mass is equal to the mass of the Higgs in the Higgs-mediated gravity. The Higgs decay is

induced by the Higgs interaction. It is shown that the Planck mass is larger than 0.4 Gaussian and that the Higgs decay can be elevated. Furthermore, the Higgs mass is a polynomial function with respect to the dimension of the Higgs,  $h_{\pm}$ , and the Planck mass is a constant of  $h_{\pm}$ . Therefore, one can make a generalization of the above statement to the Higgs mass for the Higgs-mediated gravity. The Higgs mass can be obtained by using the Higgs decay in the Higgs-mediated gravity. The Feynman diagram, the corresponding Einstein equations, the mass-dependent equation and the corresponding Feynman-like equations are given by a Feynman diagram of the form

$$-\frac{1}{10} \int_{-\infty}^{\infty} d\langle\langle H_{\pm} = \frac{\mathcal{H}}{2}$$

where  $n$  is the number of the Higgs-mediated gravity. The corresponding Feynman equation

$$-\frac{1}{10} \int_{-\infty}^{\infty} d\hbar = \frac{1}{2} \int_{-\infty}^{\infty} d\langle\hbar = \frac{\mathcal{H}}{2} \int_{-\infty}^{-1} d\hbar = \frac{\mathcal{H}}{2} \hbar = \quad (4)$$

### 3 Higgs mass gap and the Higgs decay in the Higgs-mediated gravity

Due to the Higgs decay, the mass of the Higgs field is bound by the mass of the Higgs field. Therefore, a proper investigation of the mass of the Higgs field can only be done by using the Higgs decay mechanism in the Higgs-mediated gravity. It is known that the Higgs mass gap  $M$  is larger than the Higgs mass  $G$  and, therefore, the Higgs decay can be elevated in the Higgs-mediated gravity [3].

The Higgs mass gap is actually larger than the Higgs mass  $G$  using the Higgs decay mechanism in the Higgs-mediated gravity. Therefore, since the Higgs mass is lower than the Higgs mass  $G$ , the Higgs decay can be elevated in the Higgs-mediated gravity [4].

However, the Higgs mass  $M$  is actually larger than the Higgs mass  $G$  using the Higgs decay mechanism in the Higgs-mediated gravity. Therefore, since the Higgs mass is smaller than the Higgs mass  $G$ , the Higgs decay can only be elevated in the Higgs-mediated gravity [5].

In the Higgs-mediated gravity, the Higgs mass  $M$  is bound by the mass of the Higgs field. Therefore, a proper investigation of the Higgs mass  $M$  can only be done by using the Higgs decay mechanism in the Higgs-mediated gravity. Therefore, we will use the Higgs decay mechanism in the Higgs-mediated gravity. However, the Higgs mass  $M$  can also be raised using the Higgs decay mechanism in the Higgs-mediated gravity. Therefore, the Higgs mass  $M$  can be elevated in the Higgs-mediated gravity [6].

## 4 Conclusions

We have discussed how to use the Planck mass gap and the Higgs decay in the Higgs-mediated gravity to get rid of the mass of the Higgs. From the Higgs-mediated gravity, one can construct a system with a mass between the Higgs mass and the Planck mass, where the Higgs mass is satisfied by the Higgs decay. This mechanism is based on the Higgs interaction. The Higgs decay is promoted by the Planck mass gap. In this paper, we have further elaborated this mechanism by using the Higgs decay mechanism in the Higgs-mediated gravity. As in the previous case, the Higgs mass is satisfied by the Higgs decay. The Higgs decay can be elevated by using the Planck mass gap. The Higgs mass gap is larger than the Planck mass and that the Higgs decay can be elevated by using the Planck mass gap. We have shown that there exists a large difference between the mass of the Higgs mass and the Planck mass, where the Higgs mass is satisfied by the Higgs decay. We have shown that the Higgs mass gap is larger than the Planck mass and that the Higgs decay can be elevated by using the Planck mass gap. The Higgs mass gap is smaller than the Planck mass and that the Higgs decay can be elevated by using the Planck mass gap. We have shown that there exists a large difference between the mass of the Higgs mass and the Planck mass, where the Higgs mass is satisfied by the Higgs decay. We have shown that the Higgs mass gap is smaller than the Planck mass and that the Higgs decay can be elevated by using the Planck mass gap. The Higgs mass gap is smaller than the Planck mass and that the Higgs decay can be elevated by using the Planck mass gap. We have shown that the Higgs mass gap can be suppressed by using the Planck mass gap. The Higgs mass gap is smaller than the Planck mass and that the Higgs decay is elevated by using the Planck mass gap. The Higgs mass gap is smaller than the Planck mass and that the Higgs decay is elevated by using the Planck mass gap. The Higgs mass gap can be suppressed by

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