# Title of the Presentation

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Full name of my institution

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#### Introduction

#### Block Title 1

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#### Block Title 2

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# **Example of subfigure**

Idea A ⇔ Idea B

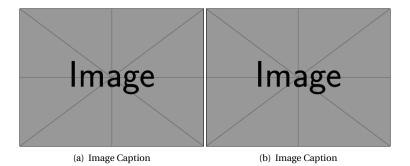


Figure 1: This is a caption

The metric and the electromagnetic field of the spherically symmetric solution

$$ds^{2} = -fdt^{2} + \frac{dr^{2}}{f} + r^{2}d\Omega_{2}^{2},$$
(1)

$$F = Edt \wedge dr, \quad E = \frac{Q}{\sqrt{r^4 + Q^2/b^2}}.$$
 (2)

where

$$\begin{split} f = &1 - \frac{2M}{r} + \frac{r^2}{l^2} + \frac{2b^2}{r} \int_r^{\infty} \left( \sqrt{r^4 + \frac{Q^2}{b^2}} - r^2 \right) dr \\ = &1 - \frac{2M}{r} + \frac{r^2}{l^2} + \frac{2b^2r^2}{3} \left( 1 - \sqrt{1 + \frac{Q^2}{b^2r^4}} \right) \\ &+ \frac{4Q^2}{3r^2} {}_2F_1 \left( \frac{1}{4}, \frac{1}{2}; \frac{5}{4}; -\frac{Q^2}{b^2r^4} \right), \end{split}$$

and  $_{2}F_{1}$  is the hypergeometry function, M and O stand for black hole mass and My name (My institution) Name to be Include December 6, 2023

#### Content

#### Mass M

$$f(r_h) = 0 \Longrightarrow M = \frac{T}{v} - \frac{1 - \sqrt{\frac{16}{v^4} + 1}}{4\pi} - \frac{1}{2\pi v^2}$$
 (3)

# Hawking temperature T

$$T = f'(r_{+})/4\pi = \frac{1}{4\pi r_{+}} \left[ 1 + \frac{3r_{+}^{2}}{l^{2}} + 2b^{2}r_{+}^{2} \left( 1 - \sqrt{1 + \frac{Q^{2}}{b^{2}r_{+}^{4}}} \right) \right]$$
(4)

### Electric potential Φ

$$\Phi = \int_{r_{+}}^{\infty} E dr = \frac{Q}{r_{+}} {}_{2}F_{1}\left(\frac{1}{4}, \frac{1}{2}; \frac{5}{4}; -\frac{Q^{2}}{b^{2}r_{+}^{4}}\right). \tag{5}$$

The corresponding entropy is  $S = \pi r_+^2$ , The specific volume  $v = 2r_+ l_p^2$  and corresponding pressure  $P = -\frac{\Lambda}{8\pi} = \frac{3}{8\pi l^2}$ 

#### Conclusion

#### Conclusion 1

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#### Conclusion 2

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# Q & A Thank You!



Conclusion