

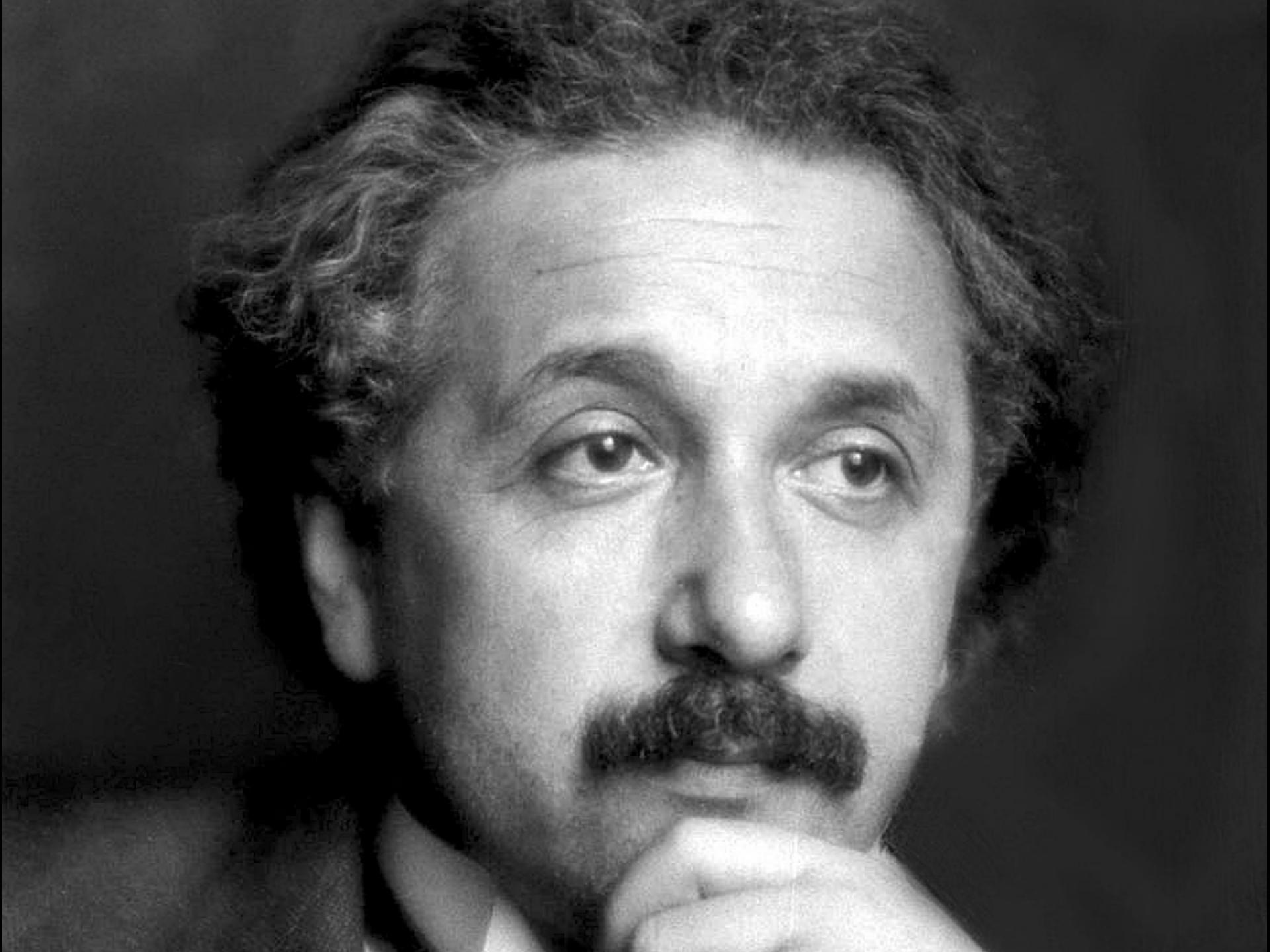
# Buracos Negros

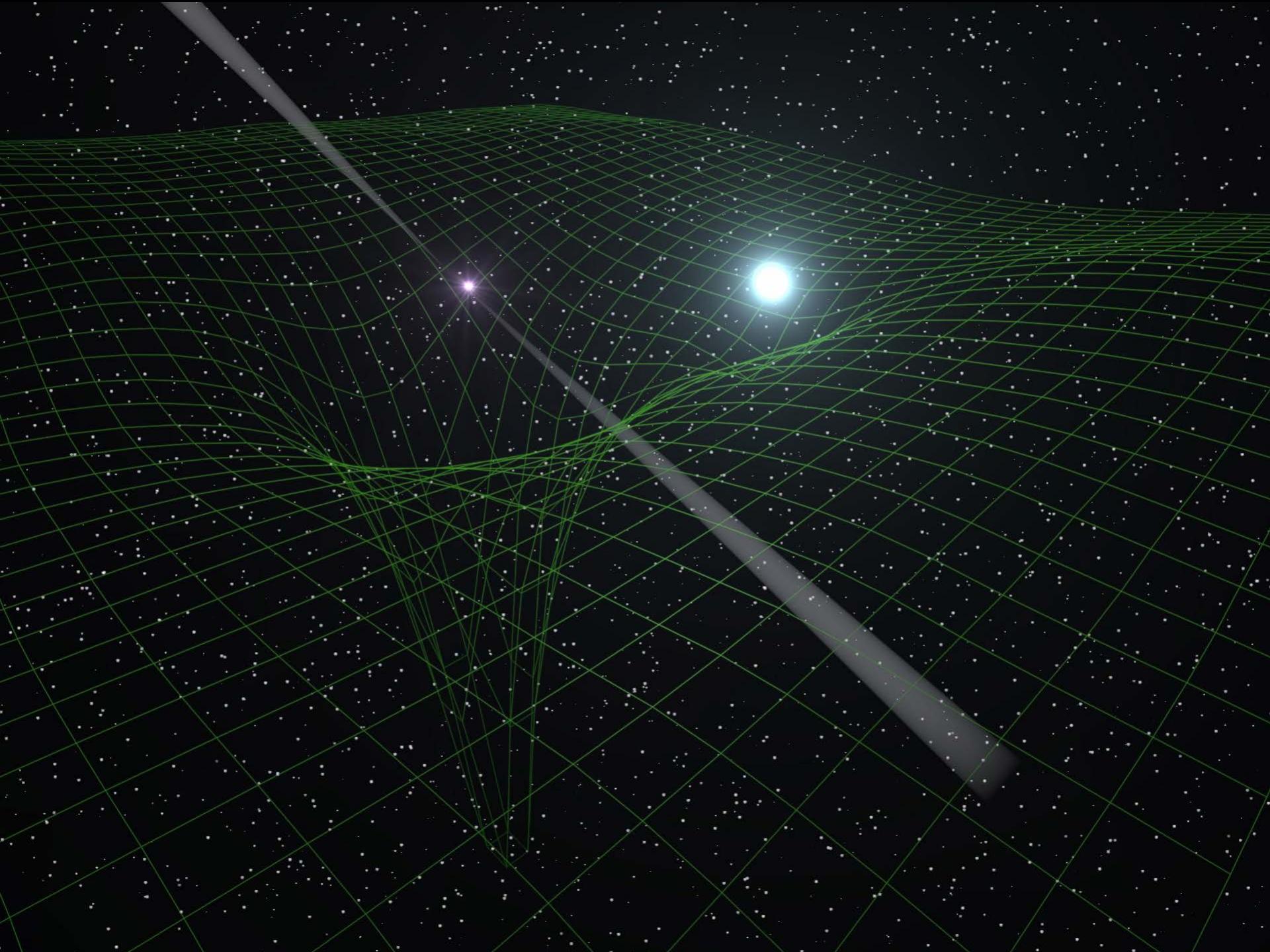


$$V_e = \sqrt{\frac{2GM}{r}}$$

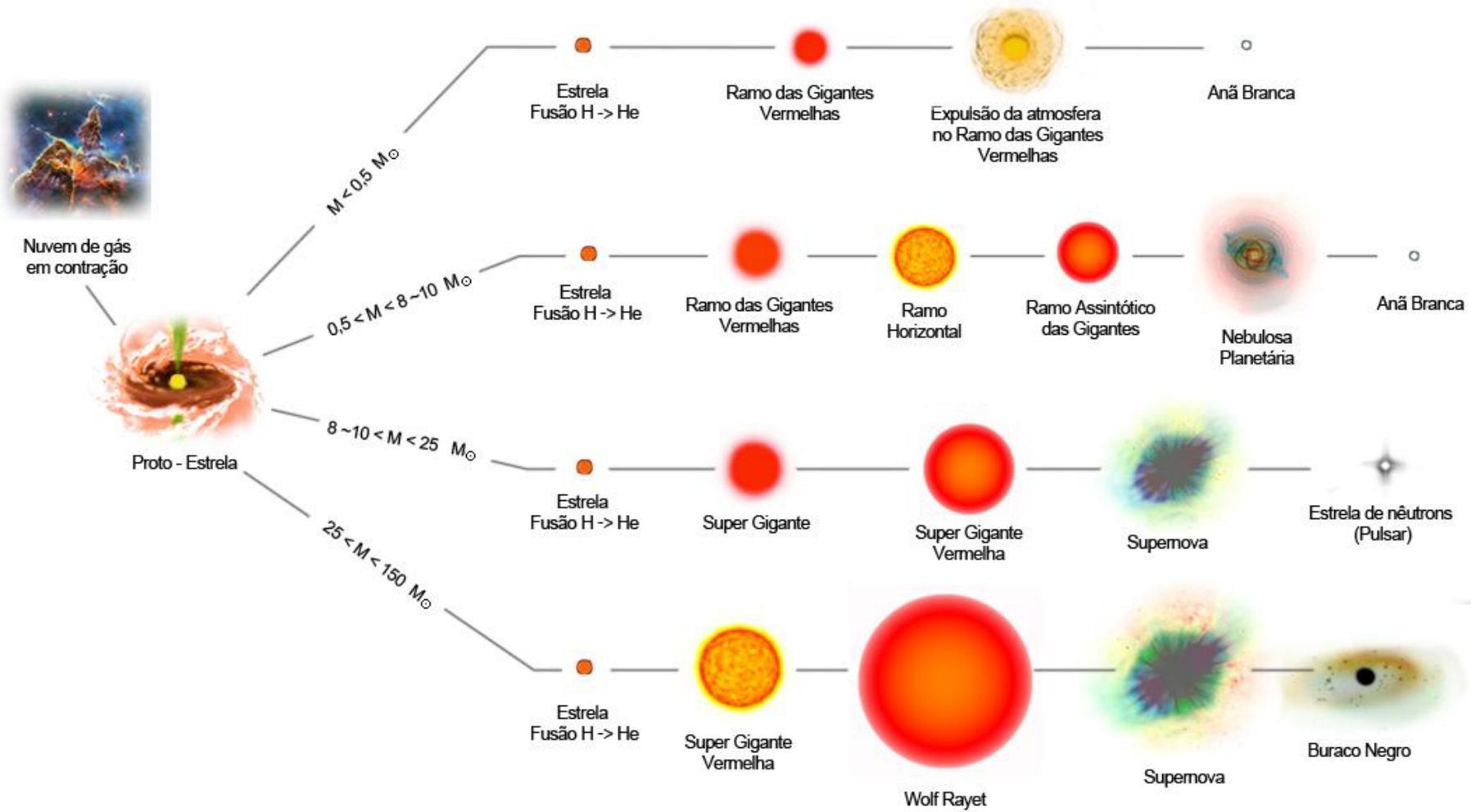
$$2GM$$

$$r_s = \frac{2GM}{c^2}$$

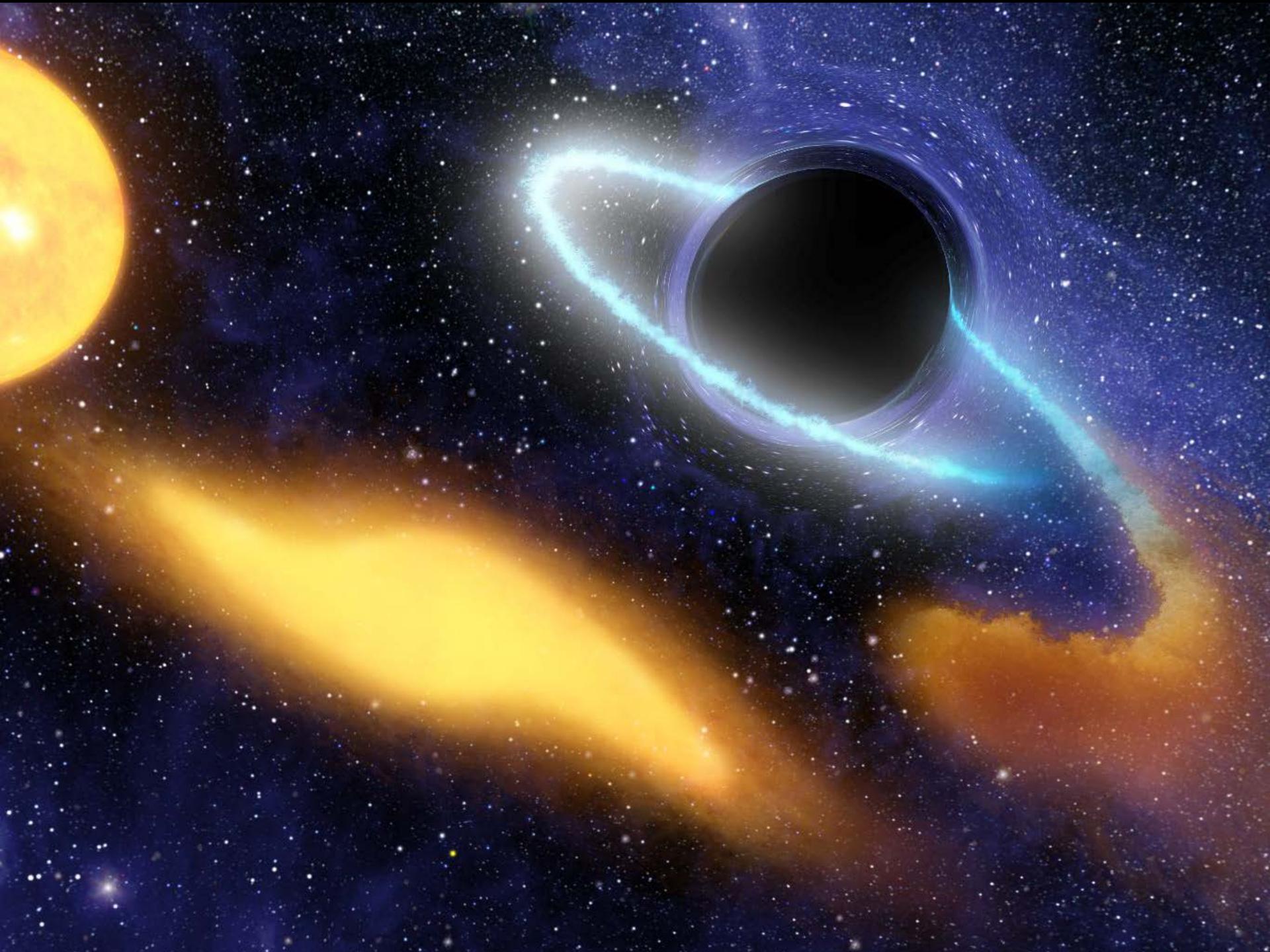








MS: Massa Solar













*“The absence of event horizons mean that there are no black holes - in the sense of regimes from which light can't escape to infinity. There are however apparent horizons which persist for a period of time.”*

*Stephen Hawking*

*“A ausência de horizontes de eventos significa que buracos negros não existem - no sentido de regimes dos quais a luz não pode escapar pela eternidade. Existem, entretanto, horizontes aparentes os quais persistem por um período de tempo.”*

*Stephen Hawking*



[www.cdcc.usp.br/cda](http://www.cdcc.usp.br/cda)

[joao.monteiro.costa@usp.br](mailto:joao.monteiro.costa@usp.br)