

The background features several faint, light-gray diagrams. On the left, a circle is divided into three sectors by three lines meeting at the center. To its right is a simple circle. Further right is another circle with a dashed line and an arrow pointing from the center. On the far right, a circle is partially visible. The main title is centered in a large, bold, green font.

Kje klasična fizika odpove?

Tomaž Urbič

FKKT, Univerza v Ljubljani

www.fkkt.uni-lj.si



View of the Universe According to Classical Physics

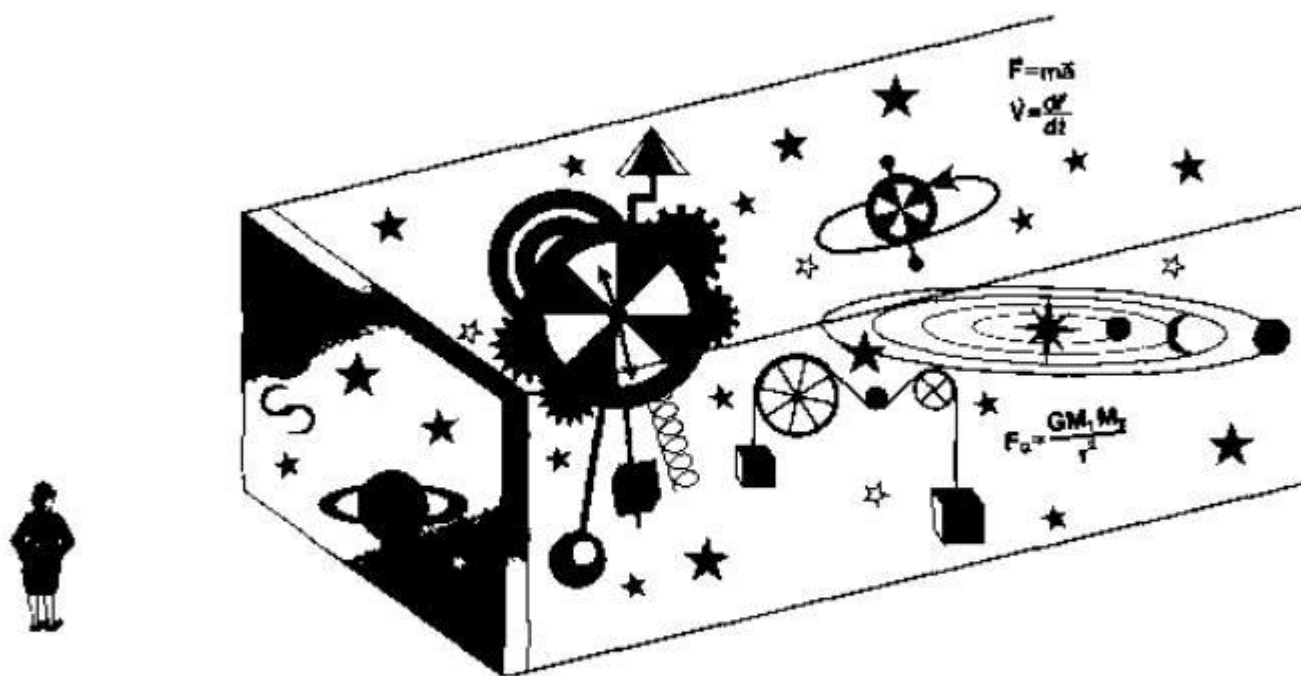
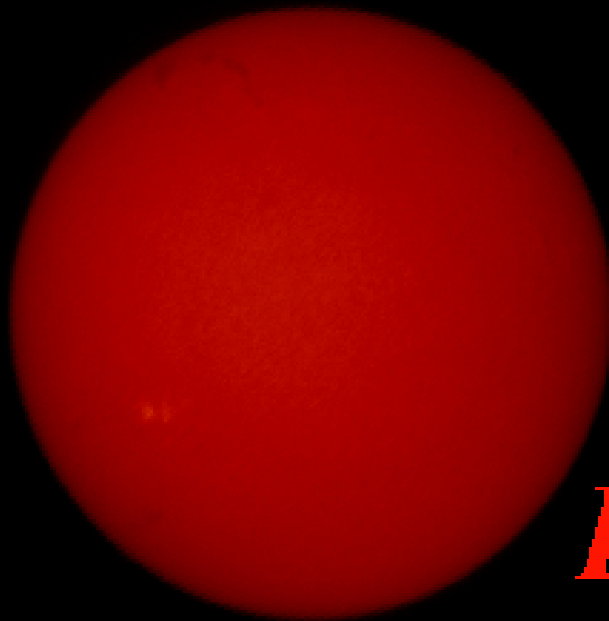


Figure 1. The clockwork universe of classical physics. The observer just observes, never participates, behind a thick wall separating mind from matter. The universe is ultimately determinable but at the expense of an ultimate total isolation of the observer.

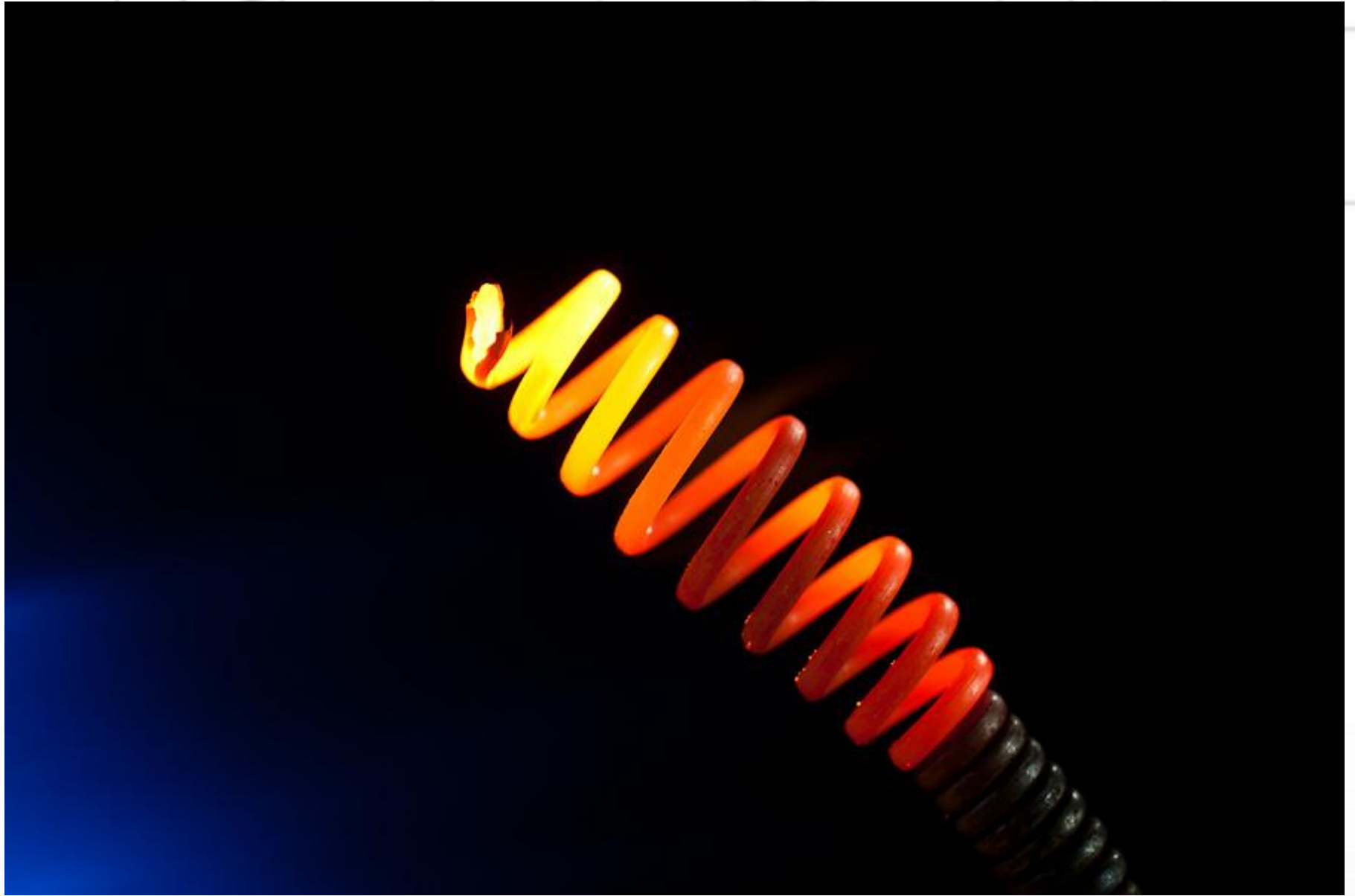


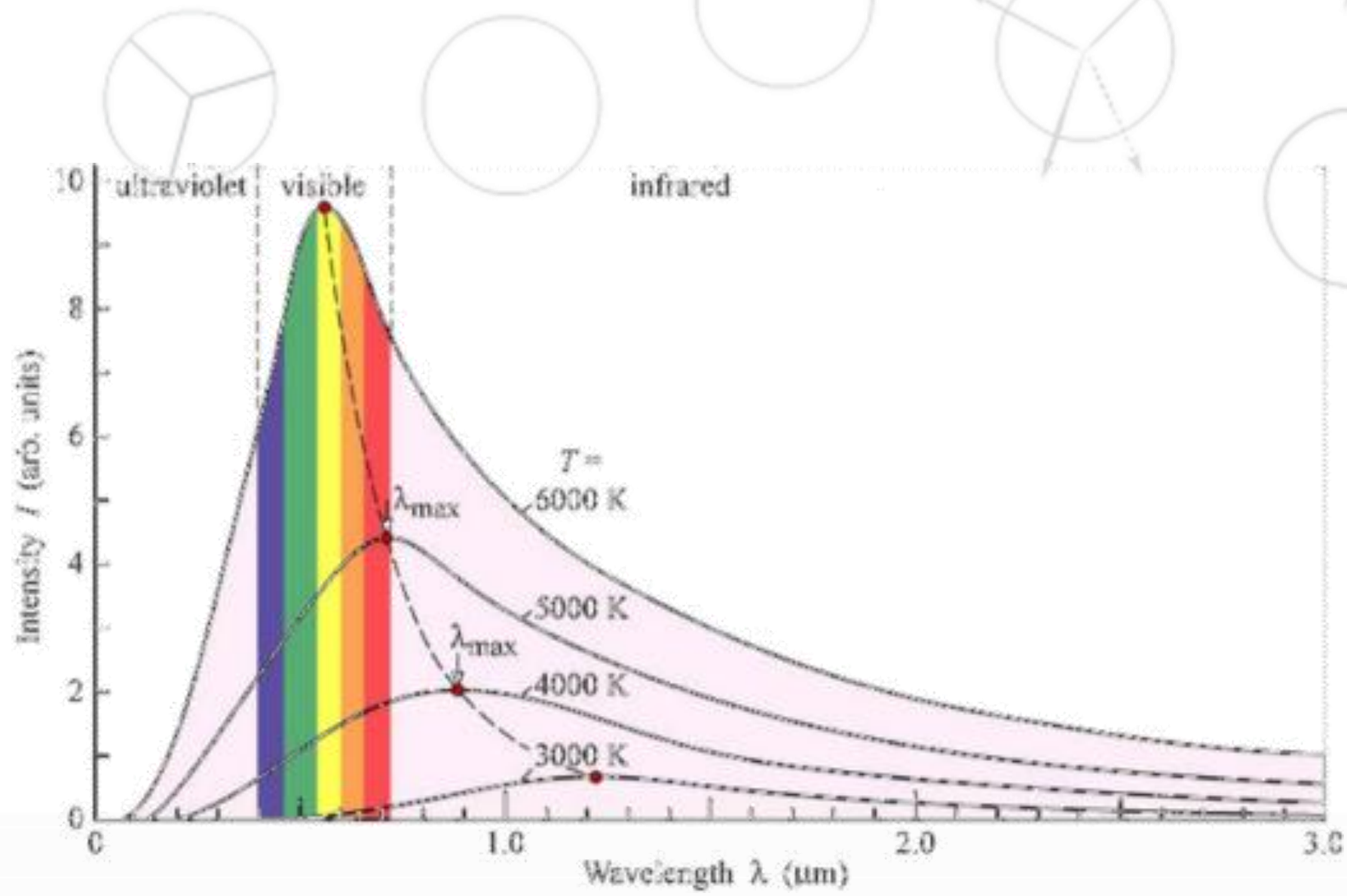
Warning!
strange physics
ahead

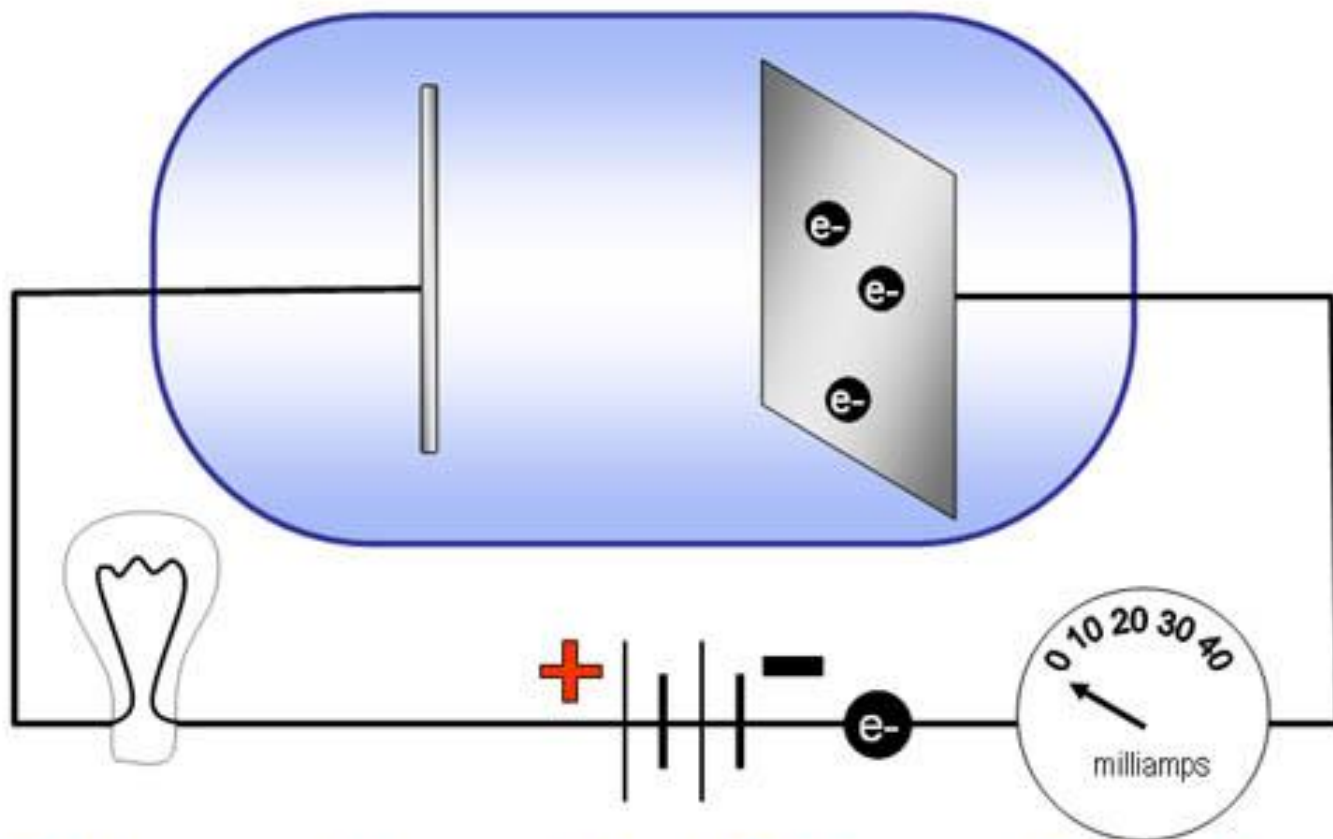
how e



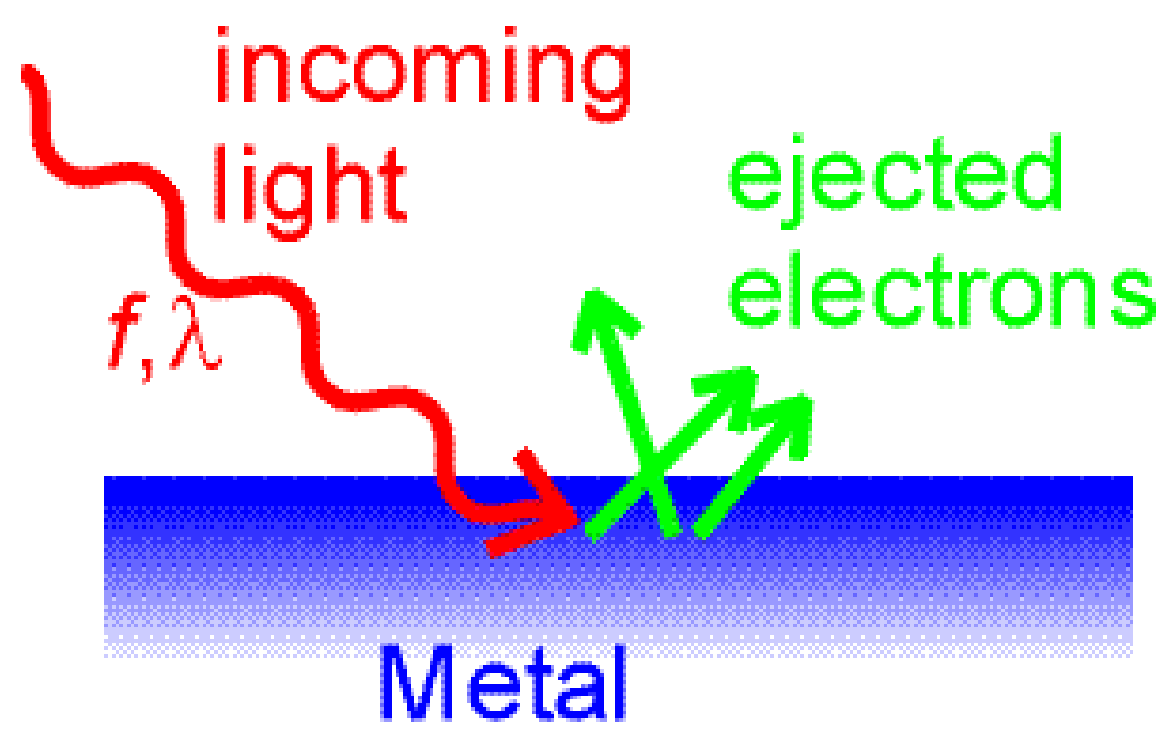
***BLACK
BODY
RADIATION***



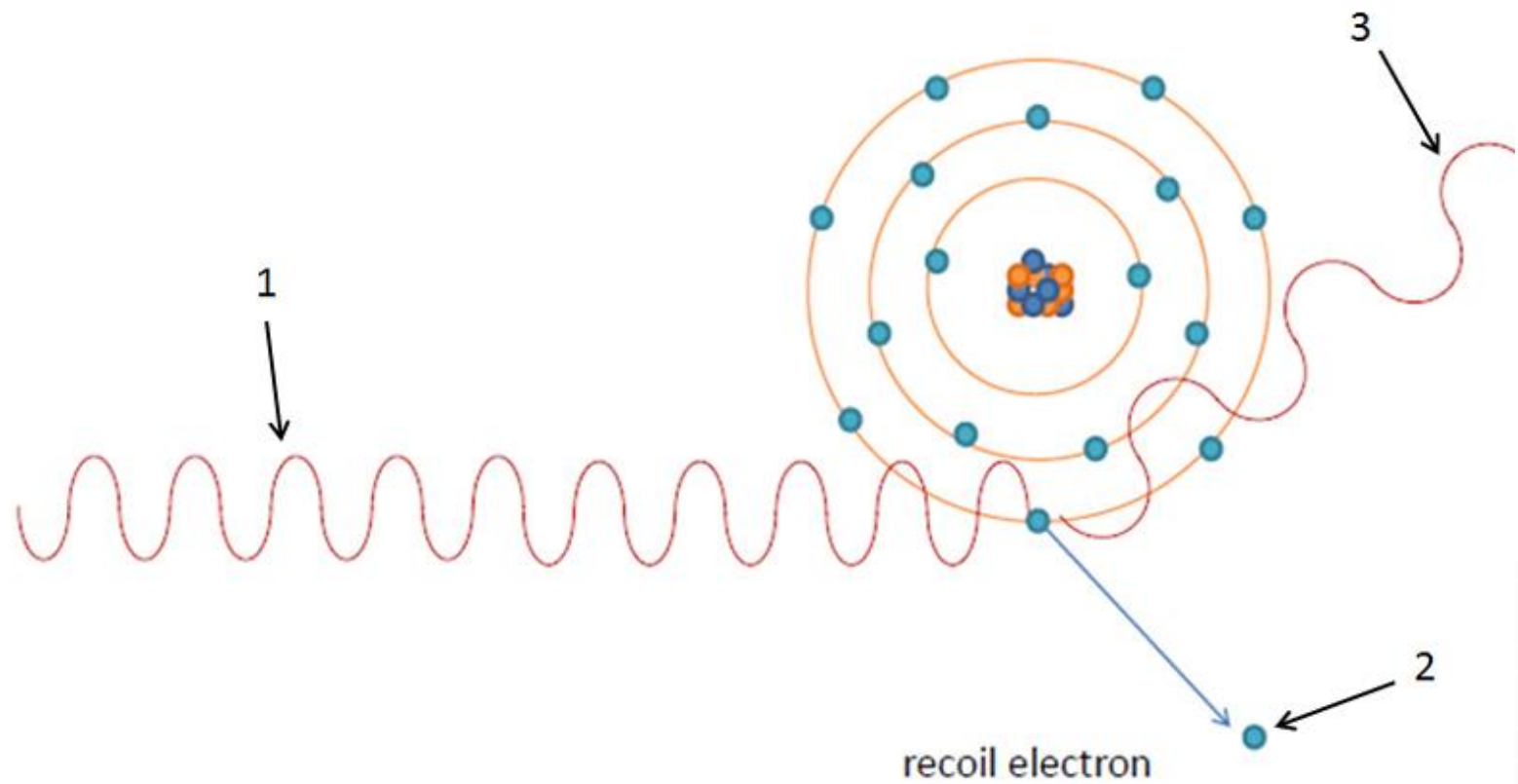




Photoelectric Effect Device



Compton scattering





Hydrogen



Helium

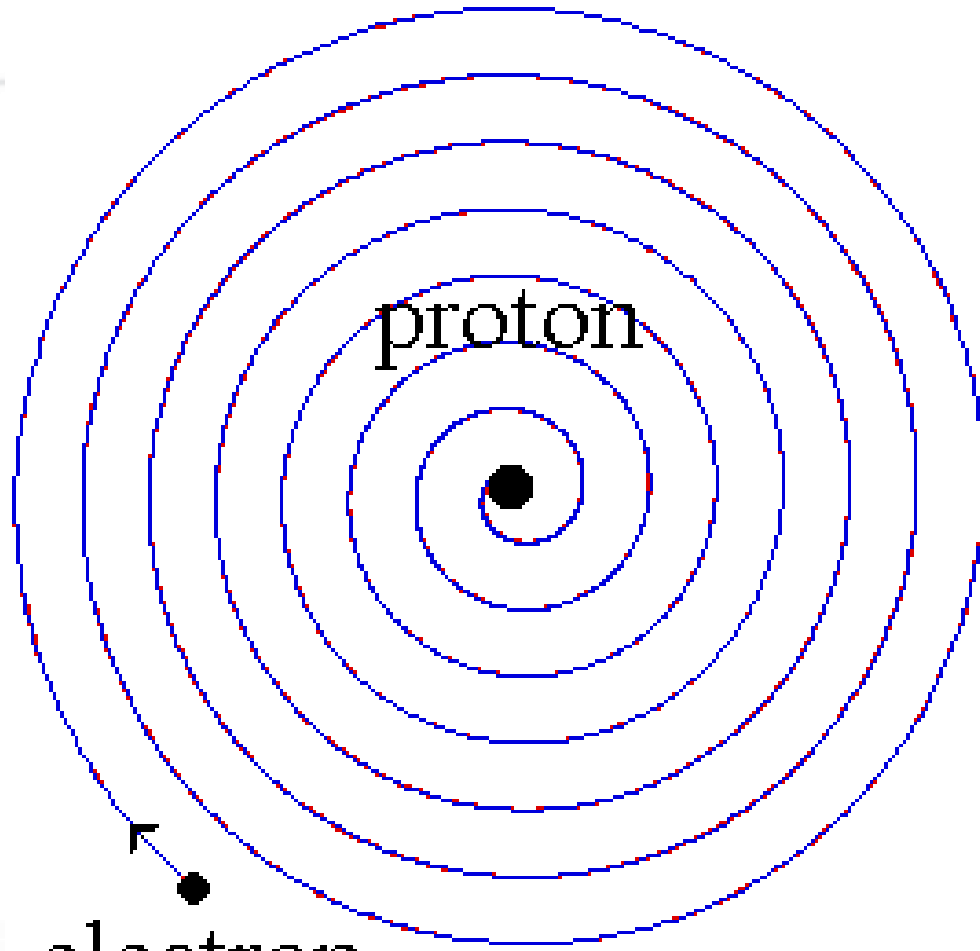


Carbon



Oxygen

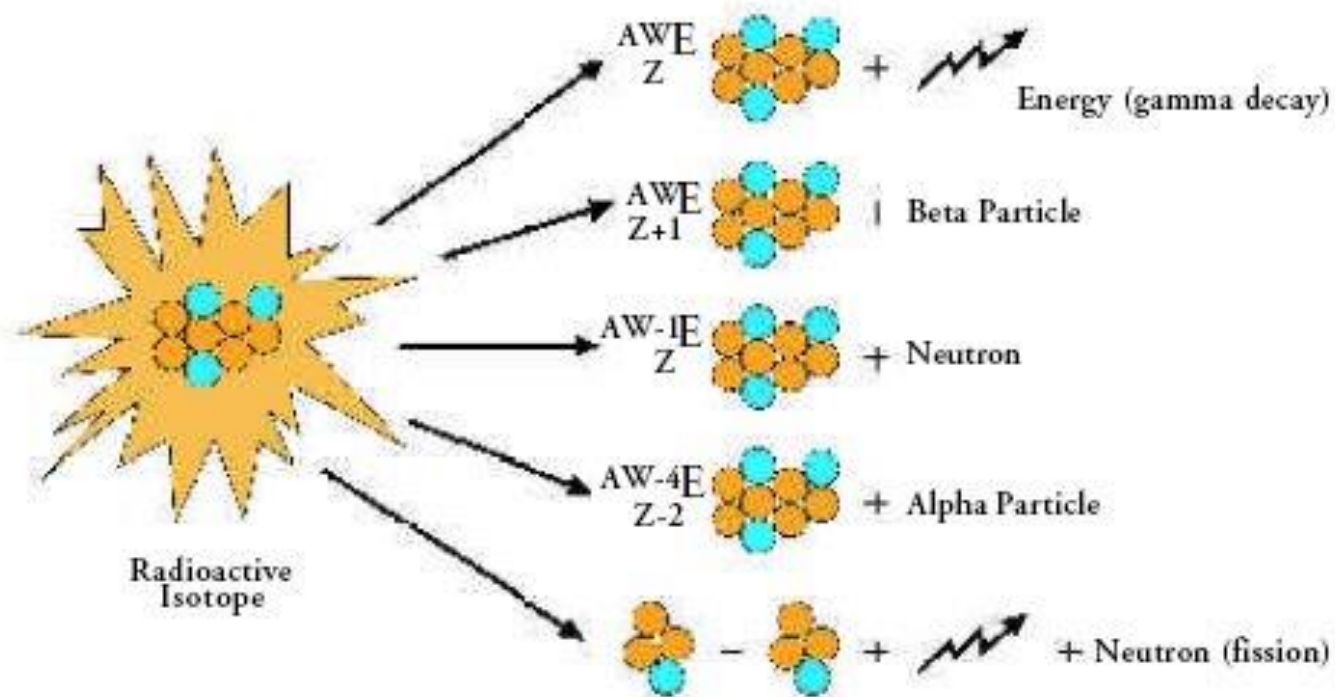




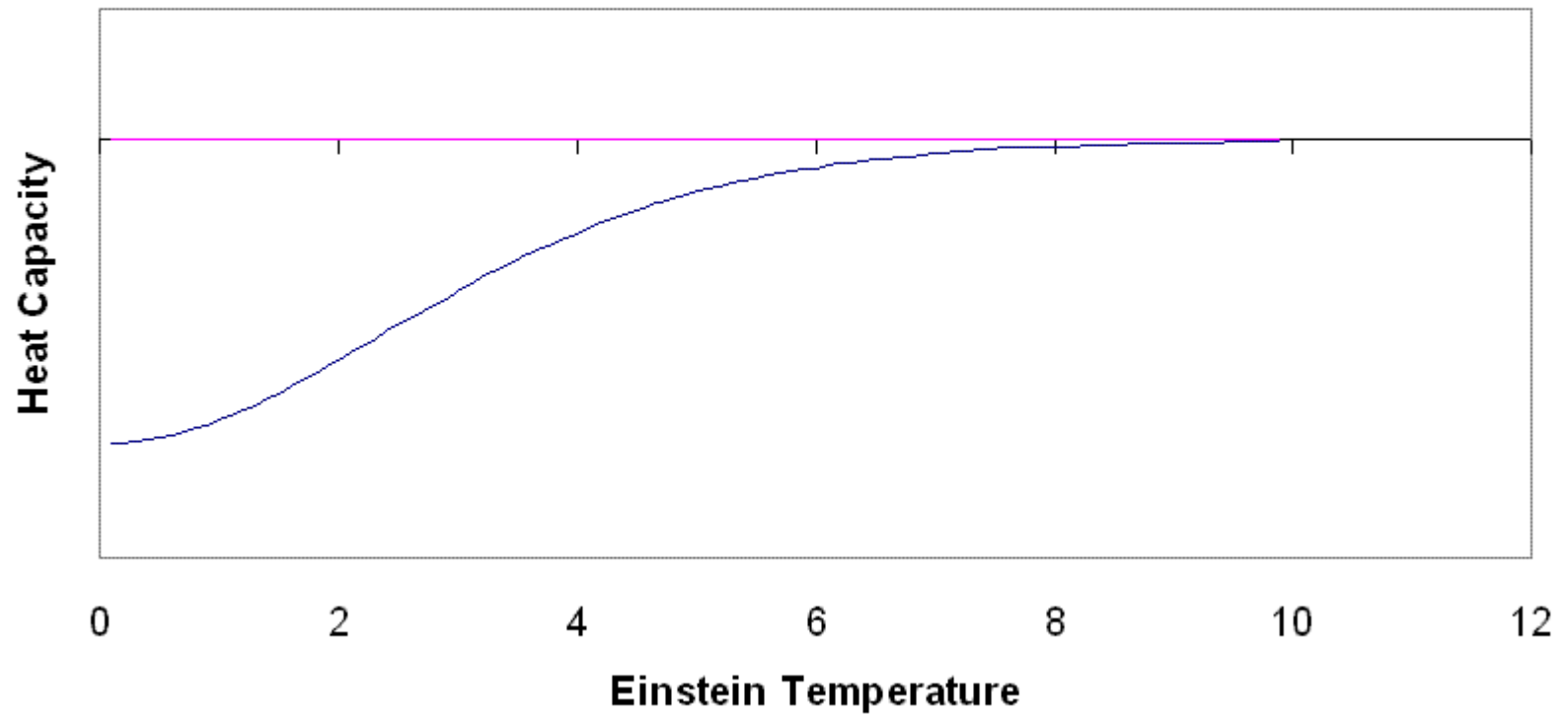
WRONG!

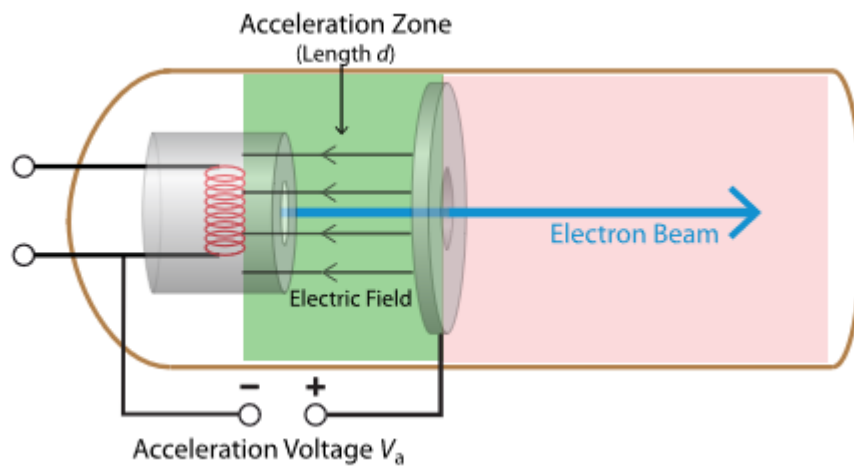
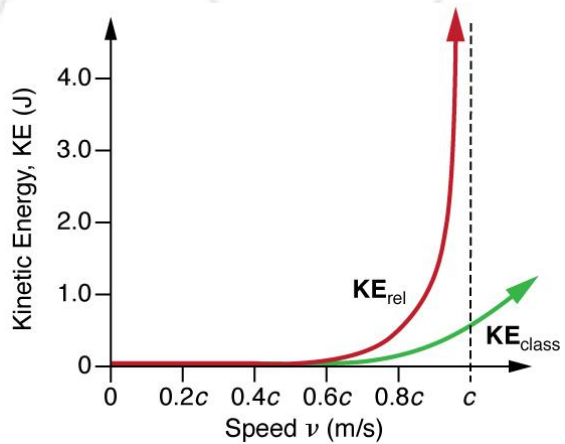
electron

RADIOACTIVE DECAY



Classical Model vs. Experimental Heat Capacities





Hvala, ampak ni še konec.



tomaz.urbic@fkkt.uni-lj.si