

What nuclear particle is: 0_1 ?

- 25% 1. Electron
- 25% 2. Neutron
- 25% 3. Positron
- 25% 4. Proton

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Which radiation has the greatest energy?

- 33% 1. A photon from a mobile phone $\lambda=30$ cm
- 33% 2. A photon from a police radar trap $\lambda=12$ mm
- 33% 3. A photon from a TV broadcaster $\lambda=0.519$ m

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Which orbital has an angular momentum quantum number, $l=2$?

- 25% 1. *s*
- 25% 2. *p*
- 25% 3. *d*
- 25% 4. *f*

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What quantum numbers represent an electron in a 4s orbital?

- 25% 1. $n = 0; l = 4; m_l = 0$
- 25% 2. $n = 2; l = 0; m_l = 0$
- 25% 3. $n = 4; l = 3; m_l = 0$
- 25% 4. $n = 4; l = 0; m_l = 0$

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