

The de Broglie wavelengths of various moving objects

Particle	Mass/kg	Speed/m.s ⁻¹	Wavelength/pm
Electron accelerated through 100 V	9.11×10^{-31}	5.9×10^6	120
Electron , 10,000 V	9.29×10^{-31}	5.9×10^7	12
α particle, radium	6.68×10^{-27}	1.5×10^7	6.6×10^{-3}
22-caliber bullet	1.9×10^{-3}	3.2×10^2	1.1×10^{-21}
Golf ball	0.045	30	4.9×10^{-22}