Phus 2110 Lab 6 06/14/2023 Isauc Abella 8 ann, 145 km/s, -le coulontes, 110 mTo 8 am = 8 protons to ky 8(1.672 x 10-27) = 1.3376 x10-26 195 km/s = 1.95 x105 -le = -election = -1.6x10-19/1001. 110 milliTeslas. -> .110 Tesla. Kalalahon = MV (1.337×10-26. 1.45×105) = -1.419x15 m 93 = (-1.61 ×10⁻¹⁹ · .110) = 14.19 cm. Cose 2: 4 ans, 90 km/s. +2e, 10 ml 4 amo -> kg = 4 (1.672×10-27) = 6.688×10-27 90 km/s -> m/s. = 9.0×104 2e = 2. (1.6×10-19) = 3.2×10-19 70mT = .07T R= (6.688 x10-27. 9.6x10") = 2.687 x10⁻² (3.2×10-14.07) = 2.607 cm. . Walalution = $\frac{9}{M}B = \frac{3.2 \times 10^{-19}}{6.688 \times 10^{-21}}$. 070 = 3:344×106 Case 3' 3 ans 120 km/s -10 Coulombs, 30 mT 3 ans (1.672 ×10-27) = 5.016 × 10-27 30 mT -7.93T 120 km/s = 1.20 ×10⁵ -1e = -1.6×10⁻¹⁹ coulons R=(5.016 x10-27.1.20 x105) (-1.6×10-19.03) $W = \frac{-1.6 \times 10^{-14} \cdot .03}{5.016 \times 10^{-21}} = -9564$

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