

Ausgobe 2 4P a) - ( JE ) = x = 2 - 15 - 21 () = 0 E = 2 mu2 (=> v = |ZE/m = D B2 = mc2 # dx= 8 ds V =p - \ dE \ = d. \frac{2}{A}. \frac{2}{R^2}. \frac{1}{2} = \frac{1}{2} \frac{2}{R^2}. \frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{ BR: = E: - (dE) = 10 dZg.Zi2 = 10 dZg Z;2 Einsetzen: Rp = 0, 44 cm ff RI mizz I de to xzg für Ri & Rz gleich

122 mz ziz

L etwaster IP c) = 2 = 4 m2 = 4 mp = D Rp = Rx Rx 0.44 - 3227 = 0,437 cm A  $R = -\int \frac{dk}{dE} - \frac{1}{3} \frac{dE}{dE} = -\frac{27}{3} \frac{1}{0.307 \cdot 2.17 \cdot 5} \frac{2}{100} \frac{2}{mc^2}$   $= \frac{1}{3} \frac{1}{0.307 \cdot 2.17 \cdot 5} \frac{2}{100} \frac{2}{mc^2}$   $= \frac{1}{37} \frac{1}{mc^2}$   $= \frac{1}{37} \frac{1}{mc^2}$