

27 The table shows the masses of some particles.

particle	mass/u
proton	1.00728
neutron	1.00867
electron	0.00055
${}^4_2\text{He}$ atom	4.00370

What is the mass defect of an atom of helium, ${}^4_2\text{He}$?

- A 0.0282 u
- B 0.0293 u
- C 1.9872 u
- D 1.9878 u

28 Plutonium, Pu, exists in various isotopic forms and has a proton number (atomic number) of 94.