Download Nuclear Physics In A Nutshell

Isotopes of helium
Although there are nine known isotopes of helium (2 He) (standard atomic weight: 4.002 602 (2)), only helium-3 (3 He) and helium-4 (4 He) are stable.All radioisotopes are short-lived, the longest-lived being 6 He with a half-life of 806.7 milliseconds.The least stable is 5 He, with a half-life of 7.6 × 10 ?22 s, although it is possible that 2 He has an even shorter half-life.

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?????(Diproton)????????2(Helium-2)???2??????????????????????????????????? ?????????????-
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Vacuum
Vacuum is space devoid of matter.The word stems from the Latin adjective vacuus for "vacant" or "void". An approximation to such vacuum is a region with a gaseous pressure much less than atmospheric pressure. Physicists often discuss ideal test results that would occur in a perfect vacuum, which they sometimes simply call "vacuum" or free space, and use the term partial vacuum to refer to an ...

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