@kawaiisofey leaked onlyfans@ nuclear physics Please clarifyUranium 235criticalmass SolvedHow manyprotons andhow manyneutronsare.

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May 15 2020 Uranium 235is an isotope which when the individual atoms receive a neutron the atoms will split release energy and give off amongst other things moreneutronsflying through the air Question How manyprotons andhow manyneutronsare in the nucleus ofUranium235 denoted by ^235_92U ? If theuraniumis struck by an incoming neutron it can break intomanydifferent fragments including Barium Ba and Krypton Kr and the total number of protons andneutronsremains constant while releasing energy The isotope ofuraniumof greatest importance in atomic bombs U 235 though has three fewerneutrons

Thus it also has an atomic number of 92 since the number of protons has not changed but an atomic weight of235 92 protons plus only 143neutrons Answer Uraniumis element 92 so unionized it has 92 protons and electrons

U 235is an isotope with a total of235nucleons so subtract 92 to get 143neutrons.Explanation Uranium 235 235U or U 235 is an isotope ofuraniummaking up about 0.72% of naturaluranium. Unlike the predominant isotopeuranium 238 it is fissile i.e

it can sustain a nuclear chain reaction VIDEO ANSWER So we have givenuranium235.235point so the elemental symbol can be written as u and this is235point this is the mass number235point. Okay when we write the elemental symbol we write the mass number in the upper case

Okay now thisuranium235is n isotope ofuranium Typically whenuranium235nucleus undergoes fission the nucleus splits into two smaller nuclei triple fission can also rarely occur along with a fewneutrons the average is 2.43neutronsper fission by thermal neutron and release of energy in the form of heat and gamma rays Mar 3 2025 Figure 10 6 3 In the liquid drop model of nuclear fission theuraniumnucleus is split into two lighter nuclei by a high energy neutron

U 235fission can produce a nuclear chain reaction

In a compound consisting ofmanyU 235nuclei neutronsin the decay of one U 235nucleus can initiate the fission of additional U 235nuclei Figure 10 6 4 Aug 10 2023 For the natural isotopes ofuranium Uranium238 has 92 protons 92 electrons and 146neutrons.Uranium235has 92 protons 92 electrons and 143neutrons SolvedClick here to get an answer to your question How manyprotonsneutrons and electrons are inuranium 235Use a periodic table

92 protons 143 electrons 143neutrons92 protons 92 electrons 92.

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