- Newture of the atom	
- we Boler model proposed the overtance of Manie energy bulls.	
- The plans quedding model had dectron in the storm with protons on steep were well to proce the exertines of dectrons.	
- In the lyigh- reserved word high-surgey alpha portelles which were short at a a thin film of gold (a few atoms thick), and it was seen that a few cus regelled.	UTS.
- Apple particles (a) are "the with we dection.	
- then electron one 7000 time by marrier time or particles they want be able to scatter the protours.	
	1.7.
- rime protour unit a positive elethorougustic field achieb is unform the apple grantiles won't be off coverse because of the protour as the began amount of	pullers
with abunch course out the others electromagnetic force.	.+
- In the experiment it was seen that 5000 depar particle where short back. The only partible way for the to occur was by having a single point where	- tuen
of the man of the atom was consutrated (the nucleus).	
~ rubing this into convictacehim, the very atom unded was:	
- Man of stan is concentrated in the execlus, which is positively changed, and is surrounded by negatively sharped particles.	
- the wire of the needless is 10-4-10-5 times smaller them the atom (depending on the atom).	
- Wing the Rullesfeed restlering rimedation it can be observed that the larger the alpha particles directic energy, the resulter the deflection angle (all other carriables countant).	
- tentramon, The greater the Ex, the donor the particle will be able to reach the atom.	
- Unloss the algebra granticle granted the mucleur, the downt opproach distance must be at least the sum of the algebra granticle & enclosure, readicion	
- "my set on upger but (max) for how large the moders could be , 10-44 on , 1:104 Times madler than the stow.	
- With the volume being proportional to the cube of the radius, an atom is mortly surjety space with the excellers occupying an time 10-12 of the volume of	an atom
Un structure of quatter	
- Unand chambers allow for the observation of the particle toucher.	
- It was pulleted that there achies a not of elementary partities when a combination of them would make up a action show of gentile collect backows.	
- Quarty make of hadrons.	
- twee are 6 different type of quarter	
~ op: \$6	
- docum :- je	
- 1941 · 34	
- Button : - \$ 4	
- Many 1 Many passes	
- Cham 1 g s	
- In the quest models, the perform is compared out of a two up queste and a down queste.	
- this gives the proton a change of 40.	
- the author is made of an up quark and too down quarks.	
- this give the whom a change of O.	
- with to complien of a greatern all artificials are written with a line over them	
- Alexander . fo , antimetra . to , antimy . is.	
- rue multiprotan in made of two cuti up qualler, and an autition quarte gaing it a drawg of -e.	
"The contingentiable in the particle water the same man, and sine , but opposite spin to charge	
" May she have the opposite quantum rembers.	
"It putielle and its outsporticle will anuchabote of true collecte auth one another known as pair anulielation	
- "Uni grown will rehave gamma sociation/photour (jut yachets of overyy).	
- "the energy will be equal to the very equivalent of their moves. (come)	
- Pair graduation is when a schoton intervals with the resideur of our storm, and quester a particle and its unti-particle	