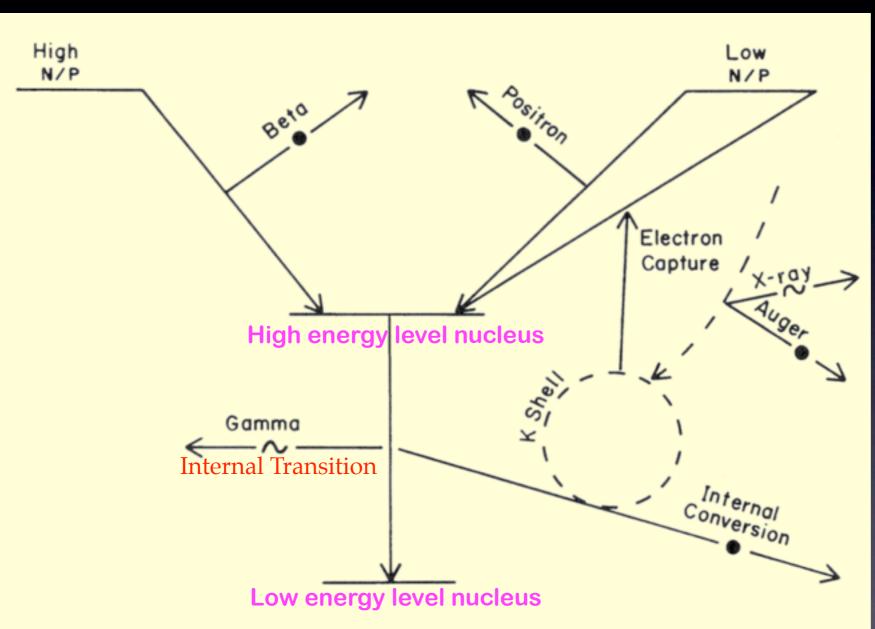
Weak Force: Gamma Radioactivity



Ask Mis



- An excited NUCLEUS (in a high state energy level) can lose excess energy and become stable (in a lower state energy). Nucleus becomes excited e.g.after alfa and beta radiation.
- There are 2 ways the excess energy is given away:
- DIRECT in the form of GAMMA radiation, process known as INTERNAL TRANSITION.
- E.g.:Tc99m-> Tc99.Tc99m is the most used isotope in medicine.



INDIRECT: energy from nucleus is given to a K shell electron which usually is ejected. Another neighboring e- is taking the empty place and an X RAY is emitted when e-changes orbital. The process is known as INTERNAL CONVERSION.