Hadron Multiplets

Warwick Week Graduate Lectures

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April 2022

A few of my github repositories for producing

- Feynman diagrams https://github.com/matthewkenzie/feynmans a wrapper for the LATEX axodraw package which will produce and then compile some 'tex' code
- Hadron Isospin diagrams https://github.com/matthewkenzie/hadrons makes use of matplotlib to draw the diagrams (with many hacks)

1 Multiplets with just (u, d, s)

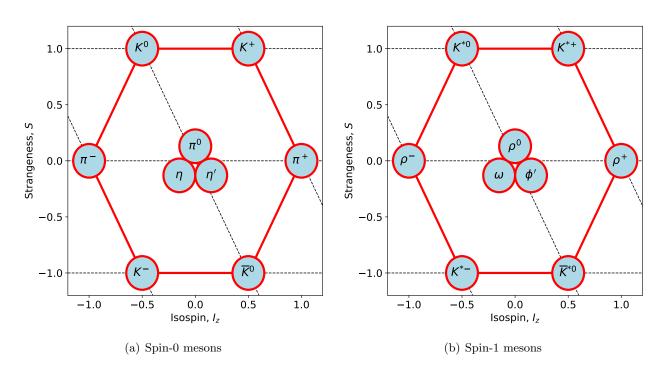


Figure 1: (u, d, s)-combination mesons

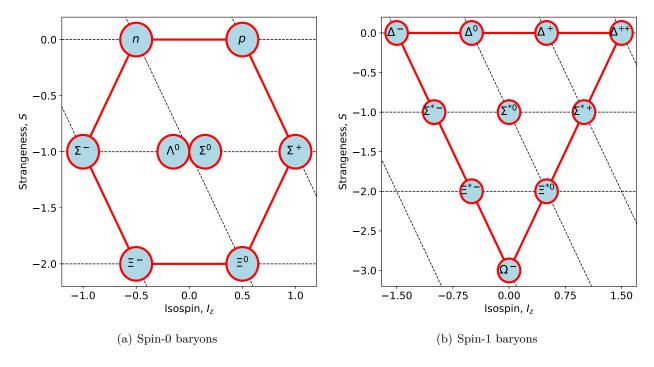


Figure 2: (u, d, s)-combination baryons

2 Multiplets with (u,d,s,c)

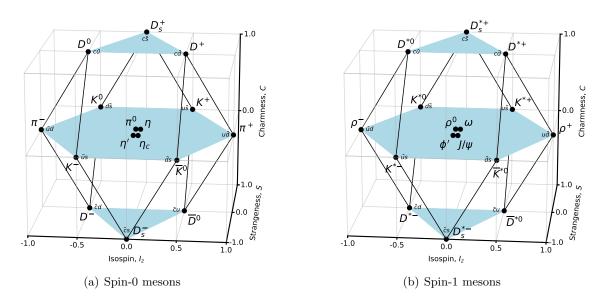


Figure 3: (u, d, s, c)-combination mesons

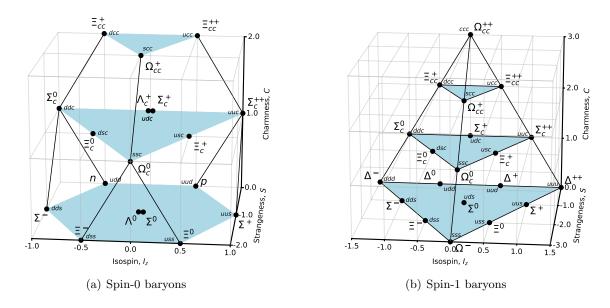


Figure 4: (u, d, s, c)-combination baryons

${\bf 3} \ \ {\bf Multiplets} \ \ {\bf with} \ \ (u,d,s,c,b)$

If you would like to figure out how plots can be made including a "beauty" or "bottomness" access then get in touch with me to discuss how we could do this.