AJT Notes (4/1/21)



* Trying to undorstand behavior of 1, =0)

ratios Pr+Pr with and without P-wavis.

For S-woves only

400 800

[mov]

The N = Z

150 q

For S- and P-worss 400 800

NZZ

S-waves only

R = \frac{\int \land \la

At q = 400 NoV: 150 = 0 => ratio is

 $\int \frac{dh^{3} s_{1}(h, 9)^{2}}{\int dh^{3} s_{1}(h, 9)^{2}} = 1$

S- and P-waves

3Po, 3Pi, 3P2-3P2 contribute to pp and pn
1Pi, additionally for pn

Compare Pr/an: Instrad of bring 3 it's now

 $\int dh \left[{}^{3}P_{0}(h,q)^{2} + {}^{3}P_{1}(h,q)^{2} + {}^{3}P_{2}(h,q)^{2} \right] \Theta_{p} \qquad \int dh G_{p}$ $\int dh \left[{}^{3}P_{0}(h,q)^{2} + {}^{3}P_{1}(h,q)^{2} + {}^{3}P_{2}(h,q)^{2} \right] \Theta_{p} \qquad \int dh G_{p}$

John goes to higher he broose of his in
the dramingtor => ratio < 1