$Q_1 N_3 + N_4 \leq (N_2 + N_4) + (N_3 + N_7)$ - $N_3 + N_4 - N_3 + N_4$

O E NZ + N7

Since a population number of particles can't be negative, it's true.

Or Populations 3 + 4 are the only ones with the for particle 2 and to for particle 2. Since these are the only way to get this out come, this sum over the total of all populations is the probability

Q3 3 → 2 4 → 4 + a → + a + b → + c in

the argmement above,
an alogous mapping for 5,53

QY P(+a,-b) = N1+N2 since populations E: Ni 142 are the only ones that generate this outcome

Q5 + a is the eigenvalue of spin along the a direction to eigenvalue of spin along the b direction The first O is total spin, size The second is total z' component sia + siza or total a component or what ever axis, they are all O.

Q6 1) 1-a, +a7 this is the Sian Sia representation of 10,0)

2) I can represent these 2-particle states as products of single-particle states. The part where stal hits 1-a), is zero, the last part of the surviving term is

3) Inst a little move algebra. the blank is still

() -a)2 () P(+a; +b)= + ((+b)-a)/2

Q P P (+a, +c) = 2 Sin Dac
P(+c, +b) = 2 Sin Deb

Q9 { Sin 2 Oas \(\) { Sin 2 Oac + { Sin 2 Och } \)
\(\) \(

0,29 < 0.17