

individual additive behavior (i.e. h_p^{PP} or h_ω^{PP} alone), since they add finally to a number agreeing in sign and approximately in magnitude and giving the same accuracy for the measured scattering asymmetry. We should note that the results that Simonius had were based on the experimental result $A_2 = (-1.3 \pm 2.3) \times 10^{-7}$ (BAa84), a new result (KI87) was published recently for the same experiment and gives $A_2 = (-1.5 \pm 0.22) \times 10^{-7}$.

CHAPTER V

CONCLUSION

Based on the previous discussion, one can classify theoretical methods for calculating the PNC effects into two different classes, the first one is microscopic approach which starts from the field theory of weak interactions, and the second one is via phenomenological approach based on the theoretical fits to experimental data.

Currently, I am carrying out calculations for such pp interaction at intermediate energies range using plane wave approximation. But there are many difficulties to clear first, e.g., first, the coupling constants, in which there are three sets use, it was concluded that the DZ ones are tricky because of the quark masses that have been used to deduced those coupling constants (HA87), second, the two pion exchange and what amount of contribution they will have for such a reaction (may be 10~20% SIa87a).

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