

## LIST OF PUBLICATIONS

1. New measurements of Coherent and incoherent photon scattering by low, medium and high  $Z$  atoms.  
S.K. Sen Gupta, H.C. Paul, S.G. Roy and H. Choudhuri.  
Journal of Physics B : Atomic and Molecular Physics, Vol 12 No. 7 (1974).
2. Atomic Rayleigh scattering of photons in the momentum transfer range 0-10 me.  
S.K. Sen Gupta, H.C. Paul, J. Bose and H. Choudhuri.  
Physical Review A, 20, No. 3, 19 (1979).
3. Atomic Rayleigh Scattering of photons in the momentum transfer range 0-10 me.  
S.K. Sen Gupta, H.C. Paul, J. Bose and H. Choudhuri.  
Paper presented by the author in the 6th International Congress of Radiation Research, Tokyo, Japan, May 13-19, 1979.
4. New measurements of coherent and incoherent atomic scattering factors.  
S.K. Sen Gupta, H.C. Paul, J. Bose and H. Choudhuri.  
Nucl. Instrum. Meth 103, 595 (1961).

5. New measurements of Coherent and Incoherent Atomic Scattering factors using Radioactive gamma-ray sources.  
S.K.Sen Gupta, H.C.Paul, J.Bose, S.C.Das and N.Chaudhuri.

Paper presented by the author in the 6th symposium on X-ray and gamma-ray Sources and Application at the University of Michigan, Ann Arbor, Michigan, June 10-12, 1961.

6. Atomic Pair-production by photons in the Threshold Region.

J.Bose, S.K.Sen Gupta, H.C.Paul and N.Chaudhuri.

Physical Review A23, 1317 (1961).

7. Atomic Rayleigh scattering of photons in the threshold of K-absorption edges.

S.K.Sen Gupta, H.C.Paul, J.Bose, G.C.Goswami,

S.C.Das and N.Chaudhuri.

Journal of Physics B, 15 No. 5 (1982).

8. Atomic Rayleigh scattering of photons in the vicinity of K-absorption edges.

S.K.Sen Gupta, H.C.Paul, J.Bose, S.C.Das and N.Chaudhuri.

Paper presented by the author and to be published in the proceedings of Second International Symposium on Radiation Physics, University of Sains, Malaysia, May 25-30, 1982.

9. A simple method of studying Atomic Screening effects in pair production.

J. Bose, S.K. Sen Gupta, H.C. Paul, G.C. Goswami and N. Chaudhuri.

Nucl. Instrum. Meth. Code No. 1250 (1962).

10. Experimental study of Atomic Screening effects in pair production near threshold.

J. Bose, S.K. Sen Gupta, H.C. Paul, G.C. Goswami, S.C. Das and N. Chaudhuri.

Paper presented by the author and to be published in the proceedings of the Second International symposium on Radiation Physics, University Sains, Malaysia, May 25-30, 1962.

11. A simple A.D.C. Unit Cosmic ray air shower experiment.

G.C. Goswami, B. Ghosh, M.R. Ghosh Dastidar, S.K. Sen Gupta and N. Chaudhuri.

Nucl. Instrum. Meth. 122, 365 (1963).

12. Inelastic scattering of photons by bound atomic electrons.

H.C. Paul, S.K. Sen Gupta, J. Dasu and N. Chaudhuri.

Proceedings of the Second International Symposium on Radiation Physics, University Sains, Malaysia, May 25-30, 1962.

13. Study of oxidation states of iron in agricultural soil by Mosbauer Technique.

G.C.Das, S.K.Sen Gupta, S.C.Paul, G.C.Goswami,

H.Dhattacharyya, J.Bose and N.Shaudhuri.

International symposium on application and technology of Ionizing Radiations. University of Riyadh, Saudi Arabia. 12th - 17th March, 1982.