

LIST OF PUBLICATIONS

- Papers Published

1. D.K. Choudhury and **P.K.Sahariah**, '*A solution of the DGLAP equation for gluon at low x* ' PRAMANA –journal of physics Vol.58, No.4; April 2002 pp.599-610
2. D.K. Choudhury and **P.K.Sahariah**, '*The exponent $\lambda(x, Q^2)$ of the proton structure function $F_2(x, Q^2)$ at low x* ' PRAMANA – journal of physics Vol.60, No.3; March 2003 pp.563-567
3. D.K. Choudhury and **P.K.Sahariah**, '*The next-to-leading order (NLO) gluon distribution from DGLAP equation and the logarithmic derivatives of the proton structure function $F_2(x, Q^2)$ at low x* ' PRAMANA –journal of physics Vol.65, No.2; August 2005 pp.193-213

- In conference and communicated for publication

1. D.K. Choudhury and **P.K.Sahariah**, '*Analytical and Semi Analytical Solutions of Coupled DGLAP Equations at Small x* ' Presented as poster in 5th International Conference on Physics and Astrophysics of Quark Gluon Plasma held at Variable Energy Cyclotron Centre & Saha Institute of Nuclear Physics, Salt Lake City, Kolkata, India from February 8-12, 2005. (communicated for publication)
2. D.K. Choudhury and **P.K.Sahariah**, '*Solution of polarized singlet DGLAP evolution equations by the method of characteristics*' (communicated for publication)