

**Name :** Dr. ABHIJEET DAS  
**Designation :** Assistant Professor  
**Department :** Physics  
**Specialization :** High Energy Physics  
**E – mail :** abhijeet\_das@yahoo.com



**Recent Publications : Dr Abhijeet Das**

1. *Charged lepton contributions to bimaximal and tri-bimaximal mixing for generating  $\sin \vartheta_{13} \neq 0$  and  $\tan^2 \vartheta_{23} < 1$* , arXiv:1207.5225v1 [hep-ph], Physics Letters B (2012).
2. *Effect of  $Dy^{3+}$  on Upconversion Luminescence in Sol-Gel Derived  $Dy^{3+}$ - $Er^{3+}$  Codoped Silica Glasses*, in communication with Photonics2012 (2012).
3. *Quark Contribution in the evolution equation of the scaling violation of  $F_2$* , Ind. J. Phys. 82(6), 789– 794 (2008).
4. *The longitudinal structure  $F_L(x, Q^2)$  and the gluon distribution  $G(x, Q^2)$  at low  $x$* , Pramana J. Phys., 53(4), 701 – 706 (1999).
5. *On relationship between Gluon and Singlet structure function at low  $x$* , J. Ass. Sc. Soc, 40(1&2), 32 – 38 (1999).

**Invited talk delivered**

1. “Quantum Mechanics” at Physics Department, Sivasagar College, Sivasagar, 27<sup>th</sup> Nov., 2010.
2. Lecture series on “ Mathematical Physics ” at Physics Department, Dibru College, Dibrugarh, 11 and 12<sup>th</sup> Feb. 2011.

**Seminar/ Conferences/Workshop attended and paper presented.**

Attended DAE-BRNS sponsored School on Plasma Physics and technology, Dept of Physics, Dibrugarh University, Dibrugarh, 30 Oct. – 1<sup>st</sup> Nov., 2009.

Attended XIX DAE-BRNS High Energy Physics Symposium , University of Rajasthan & LNM Institute of Information Technology, Jaipur, 13-18 Dec., 2010.