

# Nuclear Modification factor for gluon jet

*Friday, 14 September 2012 17:15 (20 minutes)*

## Summary

It is shown that the nuclear modification factor can be smaller than unity for jet production at small  $x$  and at large transverse momentum without any violation of the factorization theorem and the initial state effects lead to the value of the nuclear modification factor which is considerably smaller than unity.

**Primary author:** LEVIN, Eugene (UTFSM and Tel Aviv University))

**Presenter:** LEVIN, Eugene (UTFSM and Tel Aviv University))

**Session Classification:** Saturation

**Track Classification:** Saturation