

The idea that bialgebras admit a factorization à la Harder–Narasimhan (Theorem 2.6) first appeared as Lemma 2.4 in the paper *On the Hall algebra of an elliptic curve, I* by I. Burban and O. Schiffmann, *Duke Math. J.* **161** (2012), 1171–1231. Burban and Schiffmann’s result influenced me and prompted me to look for a more general statement. Despite its presence in my preparatory notes, I forgot to incorporate this reference in the original manuscript.