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IN 47907. *The motive of the moduli stack of bundles over the universal curve.* Preliminary report.

This is a summary of joint work with Aji Dhillon. Let $Bun_{G,C}$ be the moduli stack of principal G -bundles over a curve C , where G is a classical group. We compute the motive of $Bun_{G,C}$, in a sense to be explained, as C varies over the moduli space of curves. In particular, we get a description of the associated variation of Hodge structure. (Received August 27, 2006)