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Titre : Quantum groups and periodic modules

We give a geometric construction, via quiver varieties, of the (signed) canonical basis of an integrable module for the quantum affine algebra of type $A-D-E$. This construction is very similar to the Lusztig's conjectural construction of the (signed) canonical basis in the K -theory of the Springer fiber (a quiver variety in type A). We explain, for type A , how to compare the two bases in an elementary algebraic way and we point out a consequence for the periodic modules.