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We will describe a general theorem for rigidity of the automorphism groups of completed quadratic Poisson tori in characteristic 0. It gives a way to compute explicitly the automorphism groups of N-graded connected cluster algebras with respect to the Gekhtman-Shapiro-Vainshtein Poisson structure. As an application we will describe the automorphism groups of the coordinate rings of the Schubert cells of all symmetrizable Kac-Moody groups for the standard Poisson structures on their flag varieties. (Received August 02, 2016)