1014-57-1021   **Thang T. Q. Le*** (`letu@math.gatech.edu`), School of Mathematics, Atlanta, GA 30332-0160.
On integrality of quantum invariants of rational homology 3-spheres. Preliminary report.

We generalize some of Habiro's cyclotomic expansion results to rational homology 3-spheres. In particular, we establish the integrality of quantum invariants of rational homology 3-spheres at roots of any order (not necessarily prime). (Received September 26, 2005)