1007-18-193 **J. A. de la Peña*** (jap@matem.unam.mx), Circuito Exterior, Ciudad Universitaria, 04510 México, D.F., Mexico, and **Ch. Xi**. *Hochschild cohomology of algebras with homological ideals.* Preliminary report.

Let $\varphi\colon A \to B$ be a homological epimorphism of k-algebras. We investigate the relationship of the Hochschild cohomologies $H^i(A)$ and $H^i(B)$ of A and B, and show that they can be connected by a long exact sequence. In particular, if A is a quasi-hereditary algebra and B is the quotient of A by a minimal heredity ideal, then the long exact sequence provides information on $H^i(A)$, $H^i(B)$ and the extension groups between costandard modules and standard modules, thus one can actually computer $H^i(A)$ inductively. (Received February 21, 2005)