

CONFÉRENCE
«ARTA III : AVANCÉES EN THÉORIE DES REPRÉSENTATIONS DES ALGÈBRES»
16-20 JUIN 2014

MEETING
“ARTA III. ADVANCES IN REPRESENTATION THEORY OF ALGEBRAS”
JUNE 16–20, 2014

Homological theory of idempotent ideals via Igusa—Todorov function

A. Gatica
Marcelo Lanzilotta^{*}
M. I. Platzeck

Let Λ be an artin algebra, and \mathfrak{A} an idempotent two-sided ideal of Λ . Then \mathfrak{A} is the trace of a projective Λ -module P in Λ . We study how the homological properties of the categories of finitely generated modules over the three rings Λ/\mathfrak{A} , Λ and $\Gamma = \text{End}_{\Lambda}(P)$ are related via Igusa—Todorov function. andard selfinjective algebra (using invariance of the Hochschild cohomologies under derived equivalence).

^{*}Instituto de Matemática y Estadística, Universidad de la República, Julio Herrera y Reissig 565, Montevideo, 11300, URUGUAY,