1018-13-248   **Melvin Hochster*** (`hochster@umich.edu`), Mathematics Department, East Hall, University of Michigan, Ann Arbor, MI 48109-1043, and **Yongwei Yao**. *Weak embedding theorems and tight closure.*

The talk will discuss joint work with Yongwei Yao giving an embedding theorem for modules of finite projective dimension and a "weak" embedding theorem for modules of finite phantom projective dimension. The emphasis will be on the latter result and its applications to tight closure theory. (Received March 07, 2006)