## 1117-13-458 Hailong Dao<sup>\*</sup>, Lawrence, KS, and William Sanders, Trondheim, Norway. *Cohomological* support and the geometric join. Preliminary report.

Let M, N be finitely generated modules over a local complete intersection R. Assume that all the modules  $\operatorname{Tor}_{i}^{R}(M, N)$  are zero for i > 0. We prove that the cohomological support of  $M \otimes_{R} N$  (in the sense of Avramov-Buchweitz) is equal to the geometric join of the cohomological supports of M, N. This result gives a new connection between two active areas or research, and immediately produces several corollaries as well as new questions. (Received January 19, 2016)