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Nick J Davidson* (ndavidso@uoregon.edu), Department of Mathematics, University of Oregon, Eugene, OR 97403. *Categorical crystal tensor products*. Preliminary report.

I'll revisit some results of I. Losev about crystals arising from categorical actions of Kac-Moody algebras on highest weight categories. Combined with the notion of tensor product categorification introduced by Losev and Webster, one gets a categorical version of Kashiwara's crystal tensor product rule. I have extended these results to include categorifications of lowest-tensored-highest modules, and to super categorical actions based on odd nil-Hecke algebras and quiver Hecke superalgebras. (Received January 20, 2015)