1021-53-238 **Andre Neves*** (aneves@Math.Princeton.EDU), Department of Mathematics, Princeton University, Fine Hall, Princeton, NJ 08544. *Lagrangian mean curvature flow.*

We study the formation of singularities for the mean curvature flow of monotone Lagrangians in C^n. More precisely, we show that if singularities happen before a critical time then the tangent flow can be decomposed into a finite union of area-minimizing Lagrangian cones (Slag cones). When $n = 2$, we can improve this result by showing that connected components of the rescaled flow converge to an area-minimizing cone, as opposed to possible non-area minimizing union of Slag cones. In the last section, we give specific examples for which such singularity formation occurs. (Received September 06, 2006)