TRISTAN COLLINS, University of Toronto

Uniqueness of Cylindrical Tangent Cones to some Special Lagrangians

I will explain a proof of the following result: if an exact special Lagrangian $N \subset \mathbb{C}^n$ has a multiplicity one, cylindrical tangent cone of the form $\mathbb{R}^k \times C$ where C is a special Lagrangian cone with smooth, connected link, then this tangent cone is unique provided C satisfies an integrability condition. This applies, for example, to the Harvey-Lawson T^{m-1} cones for $m \neq 8, 9$. This is joint work with Y. Li.