

## Reverse Lagrangian surgery on fillings

*vendredi 8 juillet 2022 09:30 (1 heure)*

For an immersed filling of a topological knot, one can do surgery to resolve a double point with the price of increasing surface genus by 1. In the Lagrangian analog, one can do Lagrangian surgery on immersed Lagrangian fillings to treat a double point by a genus. In this talk, we will show that not all Lagrangian surgeries are reversible. Moreover, there are surgeries that can not be reversed in the Lagrangian world but are potentially able to be reversed in the smooth world.

**Orateur:** PAN, Yu (Tianjin University)