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Ken YK Chan* (kyk2chan@math.uwaterloo.ca), Department of Pure Mathematics, University of Waterloo, 200 University Avenue West, Waterloo, Ontario N2L 3G1, Canada. *Floer theory of cleanly intersecting immersed Lagrangians.*

We investigate Floer theory of Lagrangians which are immersed with clean self-intersections. As an example, we will compute Lagrangian Floer cohomology for sphere and orientation covers of $\mathbb{R}\mathbb{P}^n$ embedded as a Lagrangian submanifold of $\mathbb{C}\mathbb{P}^n$. (Received January 20, 2011)