Hamiltonian non-displaceability of certain Lagrangian submanifolds

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In this talk, we are interested in the Floer homology of Lagrangian intersections. The Gauss images of isoparametric hypersurfaces in the sphere provide a rich family of Lagrangian submanifolds L in the complex hyperquadric  $Q_n(\mathbb{C})$ . As isoparametric hypersurfaces are well-investigated, we have a chance to compute the Floer homology  $HF(L, \mathbb{Z}_2)$ . In order to see if  $HF(L, \mathbb{Z}_2)$  is non-trivial, we need to show the non-displaceability of L with its Hamiltonian deformations. We will report some recent results on this problem. This is a joint work with H. Iriyeh, H. Ma and Y. Ohnita (Bull. London Math. Soc. 2016).