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**Samantha Pezzimenti\*** (spezziment@brynmawr.edu), Bryn Mawr, PA. *Immersed Lagrangian Fillings of Legendrian Submanifolds via Generating Families.*

Given a Legendrian submanifold, we would like to know what geometric restrictions exist for its Lagrangian fillings. When the Legendrian admits a generating family (GF), there is a natural isomorphism between the GF-cohomology groups of the Legendrian and the cohomology groups of any GF-compatible embedded Lagrangian filling. I will show that a similar isomorphism exists for immersed GF-compatible Lagrangian fillings, which imposes restrictions on the minimum number and types of double points for any such filling. I will also give some constructions of immersed GF-compatible fillings. (Received September 20, 2017)