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Wen-Ching Winnie Li, University Park, PA 16802, **Ling Long**, Baton Rouge, LA 70803, and **Fang-Ting Tu*** (ftu@lsu.edu), Baton Rouge, LA 70803. *Computing Special L -Values of Certain Modular Forms with Complex Multiplication.*

In this talk, we will illustrate two explicit methods which lead to special L -values of certain modular forms admitting complex multiplication, motivated in part by properties of L -functions obtained from Calabi-Yau manifolds defined over \mathbb{Q} . One approach is using the beta functions and hypergeometric functions to express the special L -values, and the other approach is using evaluations of certain Eisenstein series to express the special L -values. (Received January 23, 2019)