

José Flores | Curriculum Vitae

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Education

Bachelor of Science in Physics — California State Polytechnic University, Pomona CA
Dean's List: 3.56 GPA

Fall 2013 — Spring 2018

Presentations

229th American Astronomical Society Meeting — Grapevine, Texas

January 2017

Galaxy Formation and Evolution in Southern California — California Institute of Technology, Pasadena CA

September 2016

CAMPARE & Cal-Bridge Research Symposium — California State Polytechnic University, Pomona CA

August 2016

Banneker & Aztlán Institute Symposium — Harvard-Smithsonian Center for Astrophysics, Cambridge MA

August 2016

Research

Kinematic Characteristics of Galaxy Mergers using FIRE

June 2016 — Present

Using a suite of galaxy merger simulations with FIRE to analyze the effect of interactions on galactic kinematics. This includes kinematic decoupling of the stellar and gas components, kinematically decoupled cores, and other features. Importance of this work is highlighted by recent observations by the CALIFA (Barrera-Ballesteros et al. 2015) and SAMI surveys (Bloom et al. 2016).

Awards

Cal-Bridge Scholar, California State Polytechnic University, Pomona CA

September 2016 — Present

CAMPARE Scholar, California State Polytechnic University, Pomona CA

March 2016

Computing

Languages — Python, C++, HTML