



San Mateo County Astronomical Society



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Presentation on Friday March 4, 2022, 8:00pm PT

Dr. Philip Mansfield

Stanford University
Cosmologist and Computational Astrophysicist

How Galaxies Die

Free and open to the public. Via Zoom video conference.

[Click here to access the Zoom link](#)



Galaxies are beautiful and enormous groups of billions of stars. Galaxies can be very active, spinning rapidly, forming new stars, and cycling through cosmic gas similarly to how a person might breathe. Sometimes they can almost feel alive. And like all living things, eventually they die. Some die spectacularly, being shredded into twisting streams of stars by larger galaxies, and some age slowly until they become inactive collections of old and dying stars. This talk will cover how galaxies die, and why we care about it.

Phil Mansfield is a researcher at Stanford University, where he studies galaxies, dark matter, and how the two are related to one another. He received his BS at Carnegie Mellon University, and his PhD in Astronomy and Astrophysics at the University of Chicago. His thesis research focused on understanding of properties and clustering of dark matter halos forming in the Cold Dark Matter scenario. Phil has also made exemplary efforts in education, outreach, and mentoring high-school and undergraduate students. He loves teaching and taught high schoolers in Chicago for several years. In his spare time, he likes to swim, bike, and run.

