

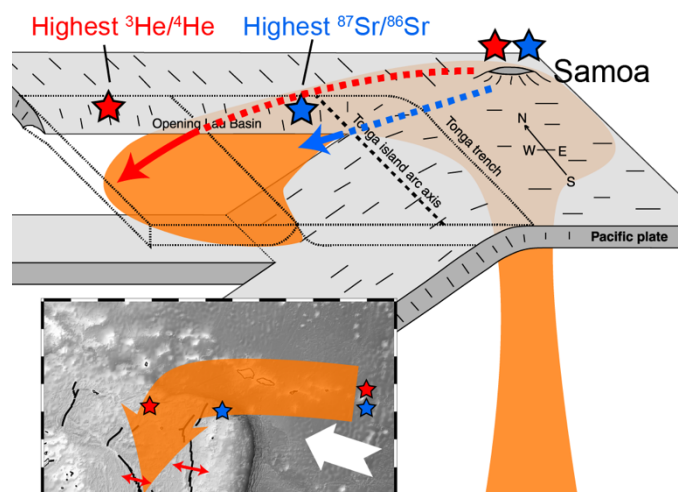
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I am a seismologist with broad interests in Earth’s mantle structures, particularly those associated with subduction zones. My recent work includes imaging seismic structures of the Tonga and Alaska subduction zones, intermediate-depth seismicity, and mid-mantle compositional heterogeneity. One of my major interests in methodology is seismic attenuation. Meanwhile, I use various seismic/geophysical techniques to study mantle discontinuities, subduction zones, and melt/volatiles in the mantle. I like to collect fresh data from temporary seismic deployment (fun field work!), and I also work on global datasets.

I am seeking 1 PhD student for an NSF-funded project SaLOON (Samoa-Lau Ocean Observing Network). This project will deploy 30 ocean-bottom seismographs (OBSs) in the Tonga-Samoa region from 2023 to 2025. The student will analyze the collected seismic data and work with an interdisciplinary team from multiple institutions to study the interaction between the Tonga-Lau subduction zone and the Samoan mantle plume.



SaLOON project website: <https://sites.google.com/msu.edu/saloon/>

If you are interested in subduction zones and mantle structures, or if you are enthusiastic about field work (on-shore or off-shore), you are welcome to consider joining my group. Please email me your CV and your research interests. More information regarding my research is available on my website.

My group actively collaborates with other geophysics groups at MSU. **We are proud of research groups with diverse interests: geochemistry, geodesy, geodynamics, mineral physics, planetary physics, petrology, and seismology.** At MSU, you will learn a variety of research topics and techniques, as well as collaboration opportunities.