

Welcome

To the 2023 Michigan Cosmology Summer School

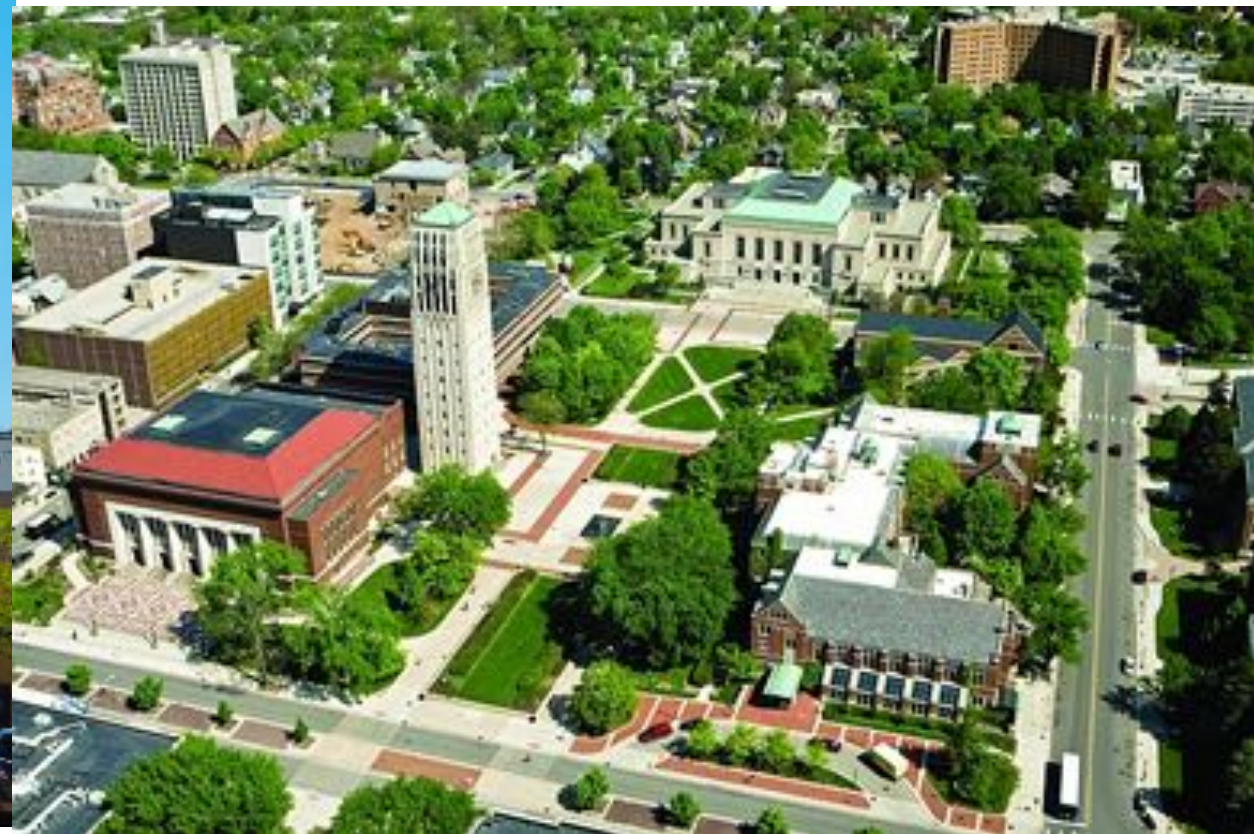
Dragan Huterer
Leinweber Center for Theoretical Physics
and Department of Physics
University of Michigan

Local organizing Committee:
Uendert Andrade, Johannes Lange, Minh Nguyen, Felipe Oliveira, Kuan Wang
Camille Avestruz, Gus Evrard and Dragan Huterer

Ann Arbor, Michigan



University of Michigan



Michigan Stadium (115,000)



Physics Department

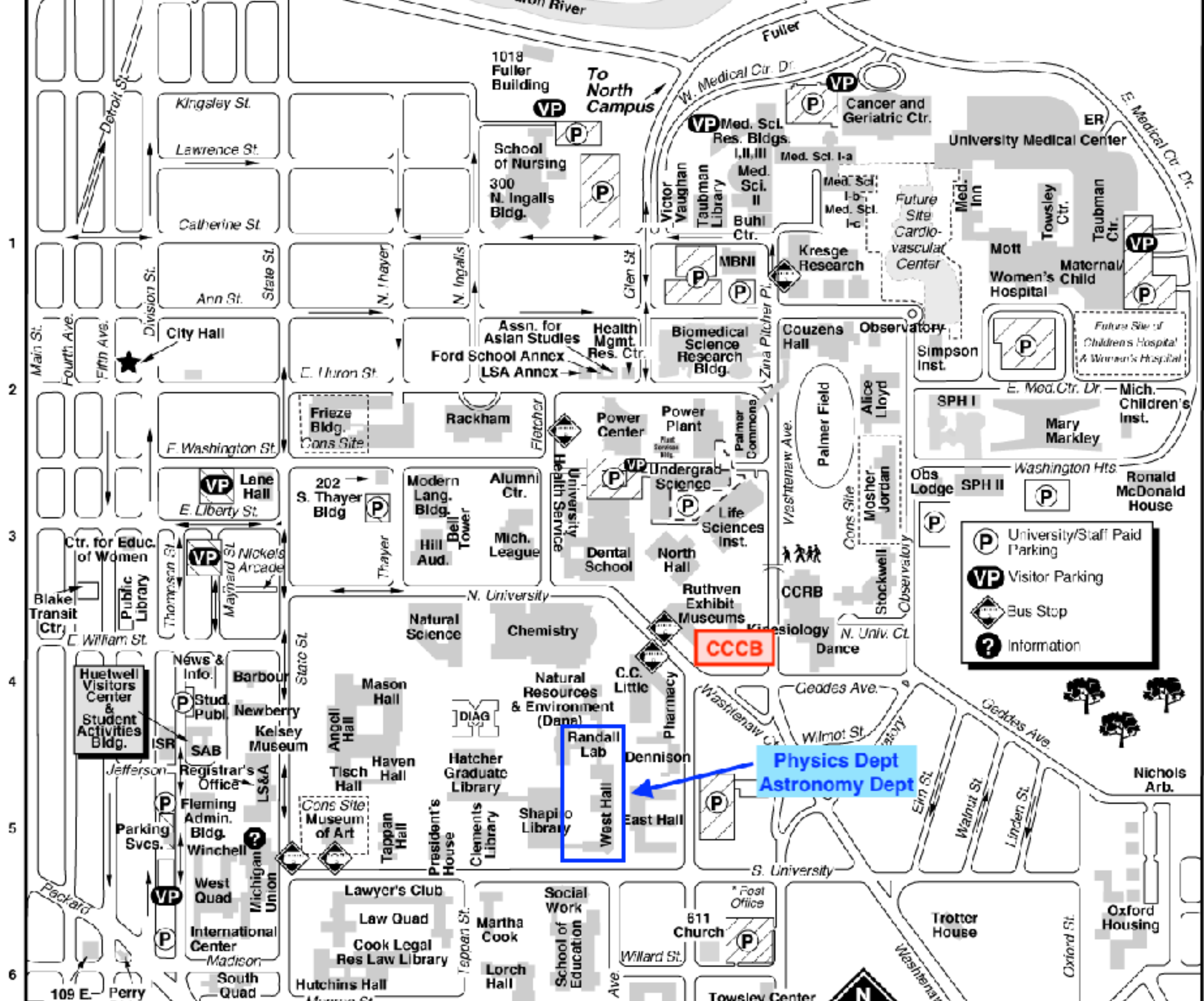


The School is generously supported by:

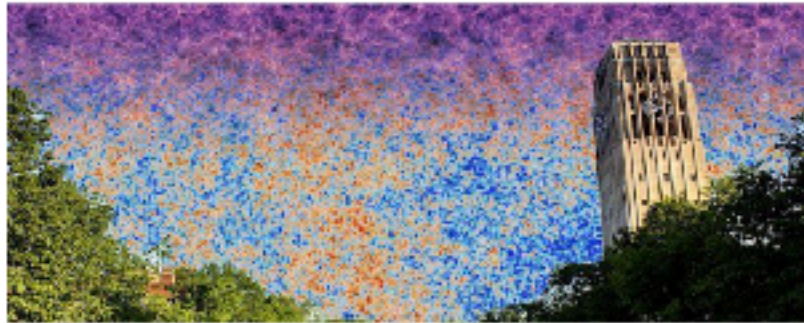
- **Leinweber Center for Theoretical Physics**
 - Established in 2017 after donation by Leinweber Foundation
 - (previously known as Michigan Center for Theoretical Physics)
 - 3 areas: particle theory, particle phenomenology, cosmology
 - Hiring postdocs, supporting graduate students
 - Supporting workshops, conferences and talks
 - “Headquarters” located in Randall Lab
 - Current director: Fred Adams
- **Department of Energy**
- **University of Michigan (including Department of Physics)**



Larry Leinweber



(Linked to from our school webpage)



GUIDE TO ANN ARBOR: EAT/DRINK/DO

Around Central Campus (i.e. close to CCCB)

Lunch and Dinner

- [Hola Seoul](#): Go-to spot for Korean-Mexican fusion food. They do great Korean fried chicken as well.
- [One Bowl](#): Pan-Asian cafe offering noodle soups, from pho to ramen, plus curries & Korean food in casual digs. Lunch can be noticeably cheaper than dinner but dinner portions are sizable.
- [Sweeting](#): A Taiwanese Boba shop but they offer a nice selection of lunch and snack options. Good food. Fast service. (Note that this is the one on 1205 S University)
- [Lan City Noodle Bar](#): Known for their hand-pulled noodles.
- [Tomukun](#): Noodle bar and Korean BBQ (two separate restaurants next to each other). Big portions, decent price, big selection.
- [Totoro](#): Sleek yet casual restaurant for Japanese specialties such as tempura, udon and creative sushi rolls.
- [Mama Satto](#): Another casual option for Japanese food.
- [Rich J.C. Korean Cafe](#): Good Korean bibimbap and more. Limited bar-style seating. best for groups

	Monday	Tuesday	Wednesday	Thursday	Friday
8:30am- 9:10am	Coffee and pastries <i>Welcome</i>	Coffee and pastries	Coffee and pastries	Coffee and pastries	Coffee and pastries
9:10am - 9:50am	van den Bosch (1) <i>Halo Occupation Modeling</i>	van den Bosch (2) <i>The Galaxy-Halo connection</i>	Bernstein (1) <i>Weak gravitational lensing: theory</i>	Ferreira (1) <i>Dark matter models</i>	Gluscevic (1) <i>Cosmological probes of dark matter</i>
9:50am - 10:00am	Short Break	Short Break	Short Break	Short Break	Short Break
10:00am - 10:40am	van den Bosch (1) <i>Halo Occupation Modeling</i>	van den Bosch (2) <i>The Galaxy-Halo connection</i>	Bernstein (1) <i>Weak gravitational lensing: theory</i>	Ferreira (1) <i>Dark matter models</i>	Gluscevic (1) <i>Cosmological probes of dark matter</i>
10:40am - 11:00am	Longer Break	Longer Break	Longer Break	Longer Break	Longer Break
11:00am - 11:40pm	Holder (1) <i>CMB, Power spectra and correlations</i>	Meyers (2) <i>Inflationary insights with the CMB</i>	Ishida (1) <i>Can ML solve my problem?</i>	Bernstein (2) <i>Weak gravitational lensing: measurements</i>	Pogosian (2) <i>Dark energy and modified gravity</i>
11:40am - 11:50am	Short Break	Short Break	Short Break	Short Break	Short Break
11:50am - 12:30pm	Holder (1) <i>CMB, Power spectra and correlations</i>	Meyers (2) <i>Inflationary insights with the CMB</i>	Ishida (1) <i>Can ML solve my problem?</i>	Bernstein (2) <i>Weak gravitational lensing: measurements</i>	Pogosian (2) <i>Dark energy and modified gravity</i>
12:30pm - 2:00 pm	Lunch on own	Lunch on own	Kayaking trip with lunch boxes waiting for pickup	Lunch on own	Lunch on own
2:00pm - 2:40pm	Meyers (1) <i>Cosmic neutrinos and other relics with the CMB</i>	Holder (2) <i>CMB probes LSS: Lensing & SZ effects</i>		Pogosian (1) <i>Dark energy and modified gravity</i>	Ferreira (2) <i>Dark matter models</i>
2:40am - 2:50am	Short Break	Short Break		Short Break	Short Break
2:50pm - 3:30pm	Meyers (1) <i>Cosmic neutrinos and other relics with the CMB</i>	Holder (2) <i>CMB probes LSS: Lensing & SZ effects</i>		Pogosian (1) <i>Dark energy and modified gravity</i>	Ferreira (2) <i>Dark matter models</i>
3:30pm - 3:50pm	Coffee Break	Coffee Break		Coffee Break	Coffee Break
3:50pm - 4:30pm	Garrison (1) <i>Let's Write an HOD Code!</i>	Garrison (2) <i>Let's Write an HOD Code!</i>		Ishida (2) <i>Human in the loop: active learning for astronomy</i>	Gluscevic (2) <i>Cosmological probes of dark matter</i>
4:30am - 4:40am	Short Break	Short Break		Short Break	Short Break
4:40pm - 5:20pm	Garrison (1) <i>Let's Write an HOD Code!</i>	Garrison (2) <i>Let's Write an HOD Code!</i>		Ishida (2) <i>Human in the loop: active learning for astronomy</i>	Gluscevic (2) <i>Cosmological probes of dark matter</i>