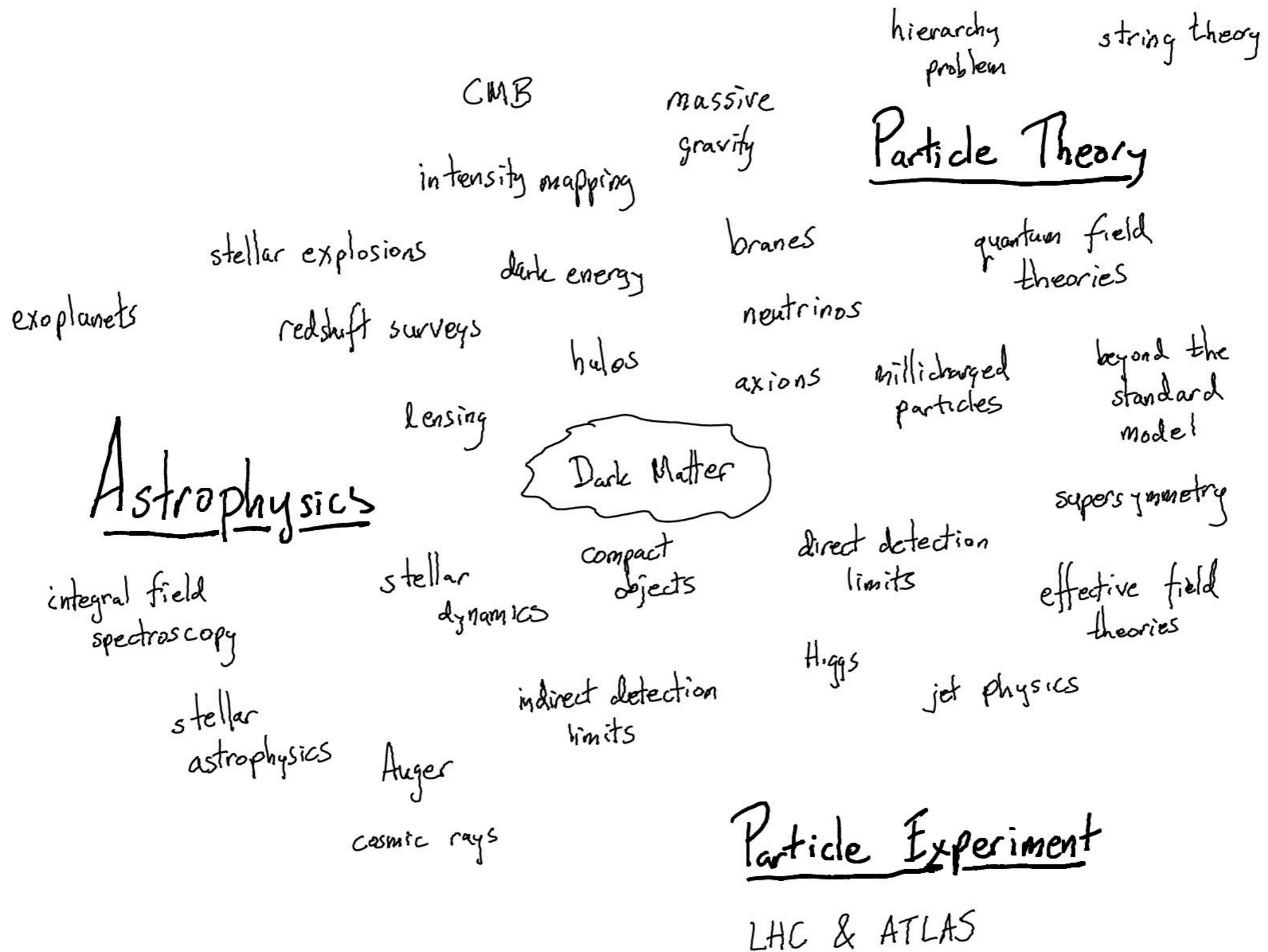


Welcome to the Center for Cosmology and Particle Physics

- What We Do**
- How We Communicate**
- How We Behave**
- Who We Are**
- Partnerships**

What CCPP does



Events of the CCPP

- Brown Bag: Mondays 12:30pm EDT, followed by cookies.
 - *Mostly* blackboard talks — use slides only in case of emergency
 - *Internal and understandable to string theorists and astronomical observers*
 - No other special restrictions on topics.*
 - Three types:
 - Introduction to My Field talks
 - “Regular” Brown Bags
 - Short research updates
 - Leaving plenty of time for questions!

** but if somebody talks about the anthropic principle, Hogg will give a talk about why astronomers use magnitudes (<https://arxiv.org/pdf/2206.00989.pdf>).*

Events of the CCPP

- Astrophysics Seminar: Tuesdays 2:00pm EDT
 - *Journal club over lunch @ 12:30pm EDT*
 - *Seminar at 2:00pm EDT*
- High Energy Physics Seminar Wednesdays
 - *Journal club over lunch @ 12:30pm EDT*
 - *Seminar at 2:00pm EDT*
- Big Apple Colloquium: *not yet scheduled this year*
- PorratiFest: *November 1-3*
- Other group meetings throughout the week.

Cosmology and Particle Physics Minisymposium

- Monday, Sept 19, 12:30pm (Brown Bag time)
- Overview of research in CCPP, from faculty, postdocs, and senior graduate students.
- All first-year and second-year graduate students will be invited so they can learn about opportunities in this group.

Communications of the CCPP

- Web site: <https://cosmo.nyu.edu/>
 - *Events, news, emails etc.*
- Email list: fas.phys.cpp@nyu.edu
 - *Ask me (mb144@nyu.edu) or Mulin Ding (md546@nyu.edu) to get on the list*
 - *Weekly & daily updates on events*
- Also: fas.phys.cpppd@nyu.edu, fas.phys.cpppgs@nyu.edu
- All Physics mailing lists and memberships can be found at <https://groups.nyu.edu> by searching for “fas.phys”

Behavior in the CCPP

- Intellectual progress requires critical engagement.
- Productive criticism requires an atmosphere of mutual trust.
- So ... be careful in how you communicate.
 - *use welcoming and respectful language*
 - *encourage participation and questions from all members*
 - *respect preferences regarding forms of address (he, she, they)*
 - *harassment and discrimination is not acceptable*
- Link with many relevant university policies: <https://www.nyu.edu/faculty/governance-policies-and-procedures/faculty-handbook/selected-university-policies.html>

Behavior in the CCPP

- ALSO: common areas are ALL of our responsibility.
- Please clean up after yourselves.
- There is nobody whose job it is to make sure that a plate or cup left in a conference room or table is put in the dishwasher, or to do your dishes.

Who we are: 2 full-time staff

- Tim Johnston
(Program Administrator)



- Mulin Ding
(Systems Administrator)



We need to consciously continue to respect their time and appreciate their contribution to our success.

Who we are: 23 faculty + senior research scientists

- **Ahmed Almheiri**
- Yacine Ali-Haïmoud
- Michael Blanton
- Kyle Cranmer
- Sergei Dubovsky
- Glennys Farrar
- Gregory Gabadadze
- **Gaston Giribet**
- Andrei Gruzinov
- Shirley Ho
- David Hogg
- Anna Ijjas
- Matthew Kleban
- Andrew MacFadyen
- **Monica Pate**
- Massimo Porrati
- Anthony Pullen
- Joshua Ruderman
- Roman Scoccimarro
- Ken Van Tilburg
- Jeremy Tinker
- Yifan Wang
- Neal Weiner

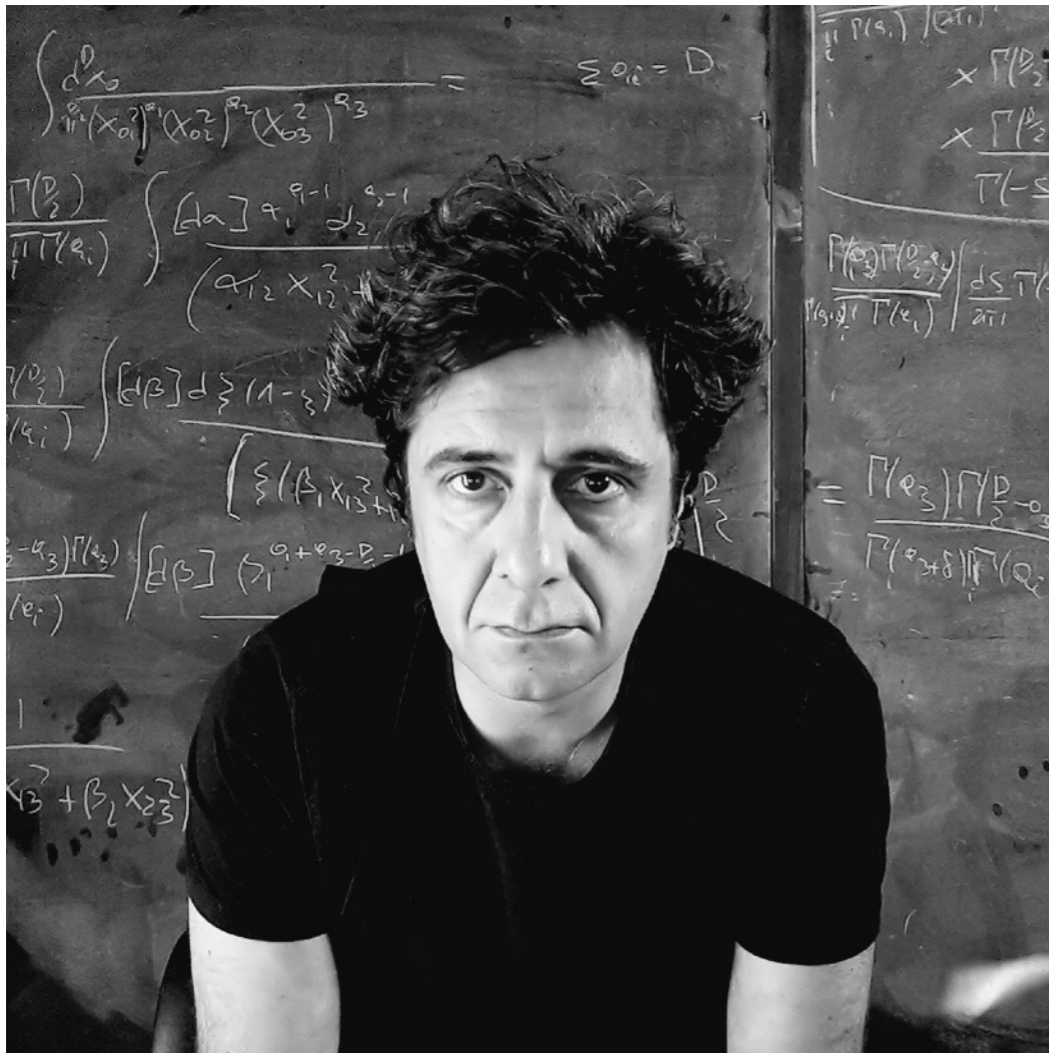
New Faculty (Abu Dhabi):



Ahmed Almheiri

- *quantum information, quantum fields, and gravity*
- *in NYC for 2 (?) years before NYUAD*

New Faculty:



Gaston Giribet

- *clinical professor*
(*physics education focus*)
- *AdS/CFT holographic correspondence in the stringy regime*

New Faculty:



Monica Pate

*quantum gravity & holographic
descriptions of gravity*

Who we are: 12 postdocs

- **Matteo Braglia**
- Patrick Breysse
- **Chris Dessert**
- **David Dunsky**
- **Isabel Garcia Garcia**
- **Akash Goel**
- **Himanshu Khanchandani**
- Hongwan Liu
- Stefano Negro
- Sarah Pearson
- Oren Slone
- Fedor Popov

Who we are: 40+ graduate students

- Michael Albergo
- Giorgi Arsenadze
- Zubair Bhatti
- Panagiotis Charalambous
- Calvin Chen
- **Aminatou Dabokemp**
- Matthew David Daunt
- **Oleksandr Diatlyk**
- Jack Donahue
- Matthew Drnevich
- Marcus DuPont
- Nicholas Faucher
- Xucheng Gan
- Suroor Gandhi
- Cara Lynn Giovanetti
- Xuyao Hu
- **Shira Jackson**
- Reza Javadi Nezhad
- Trey Jensen
- **Marius Kongsoore**
- Ekapob Kulchoakrungsun
- Joan Manuel La Madrid
- Nanoom Lee
- Conghuan Luo
- Austin Thomas McDowell
- Alex Newberry
- Milad Noorikuhani
- **Cameron Norton**
- Kate Storey-Fisher
- **Aidan Subrahimovic**
- **Arjun Suresh**
- **Janelle Sy**
- **Rakshitha Thaman**
- Zihui Wang
- Edison Weik
- Marc Williamson
- Xingchen Xu
- Xingyang Yu
- Shahrzad Zare
- Jiarong Zhu

and at least 5 interested first years!

Other partnerships to take advantage of

- NYU Abu Dhabi Center for Astro, Particle, Planetary Physics
 - *funding for visits & collaborations*
 - *PhD students taking classes here*
- Flatiron Institute & its Center for Computational Astrophysics
 - *several joint affiliations (Gabadadze, Hogg, Pullen, others??)*
 - *joint cosmology meeting*
 - *Flatiron group meetings often quite open to NYC participants*
- A number of projects:
 - *ATLAS, DESI, Pierre Auger Observatory, SDSS (-IV and -V), SphereX, EXCLAIM, others??*

