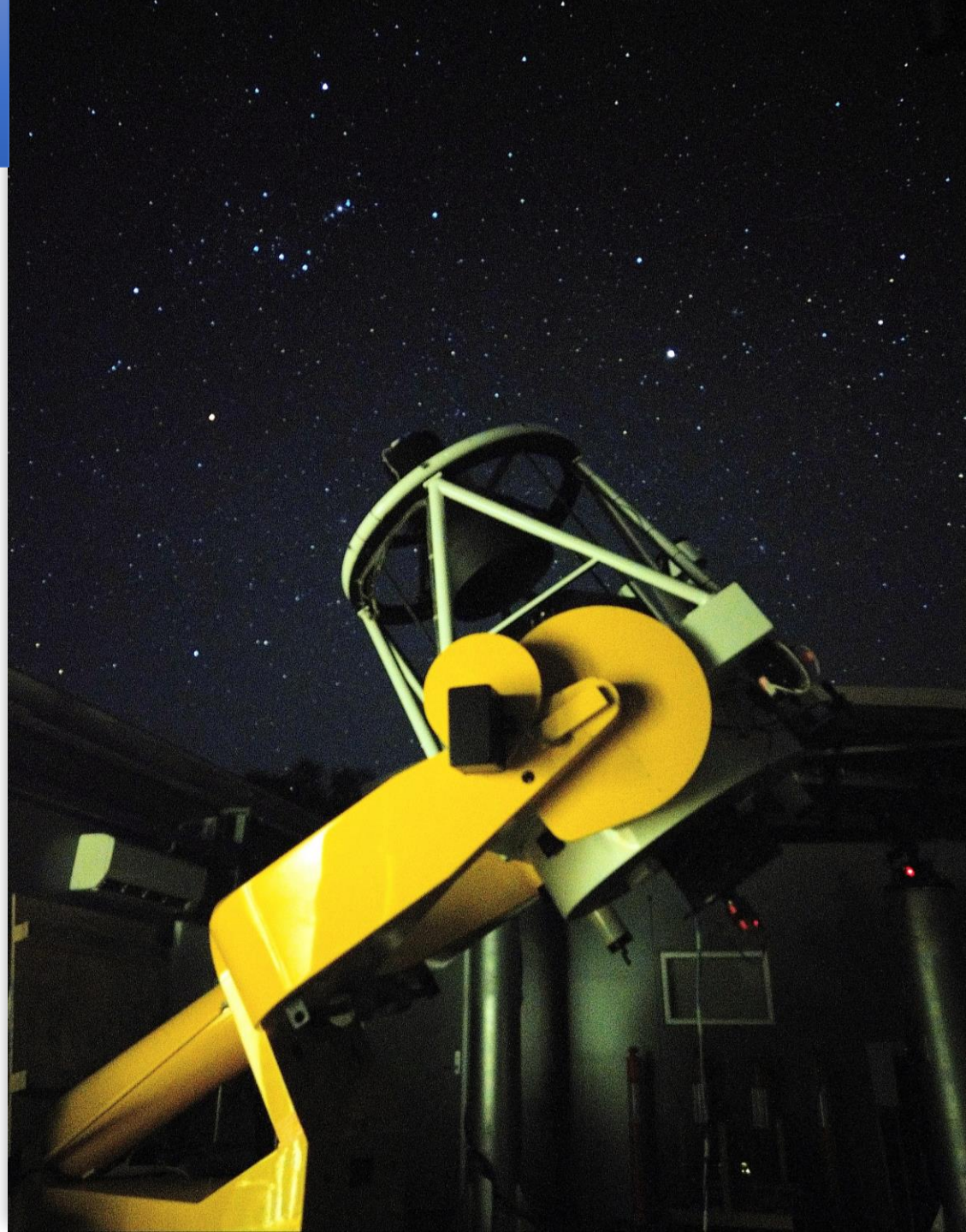
Masters of Astrophysics at UWA

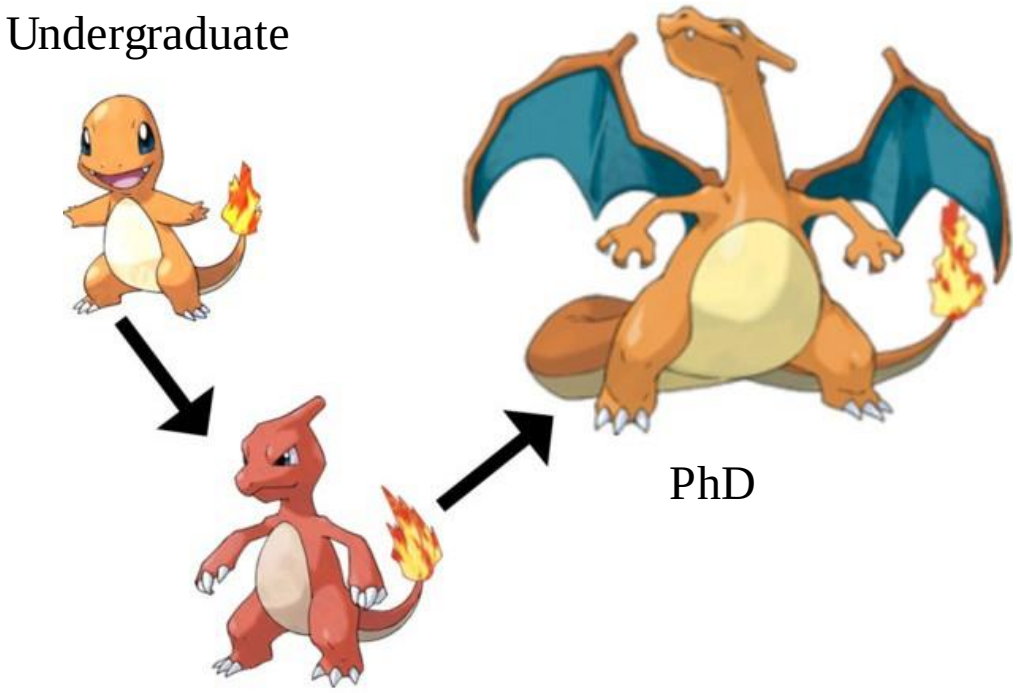
A quick insight by Eloise Moore

About me

- Studied a Bachelor of Science (Physics and Computer Science) at UWA
- Just completed my Master of Physics (Astronomy and Astrophysics) at UWA/ICRAR
- Currently taking some time off before a PhD to do software engineering for the Zadko Observatory, as well as teaching for PHYS4420 and CITS3200
- I am extremely interested in astroparticle physics and particle acceleration in astrophysical environments – ultra-high energy cosmic ray production and the contents of astrophysical jets
- Thesis: "*Understanding the acceleration site of cosmic rays produced by gamma-ray bursts*"



What a Masters is to me



- The next step in the evolution of your research career!
- Additional coursework to assist in the mastering of your field of physics
- Exposure to undertaking a long-term research project
  - A taste of what's to come!

My own experience:

- Personal growth and maturity in my ideas
- Exposure to the international community of high-energy astrophysics and astroparticle physics
- Travel
  - Etelman Observatory, US Virgin Islands
  - Australian National Institute for Theoretical Astrophysics (ANITA) conference, Adelaide
  - International Cosmic Ray Conference (ICRC), Japan

Some tips & tricks for successful research

Pick a project you are really interested in

- This helps with your motivation when writing your thesis :)

Make sure you get along well with, and work well with your supervisor

- Communication and compatibility is key to a good time!

Don't be afraid to contact researchers outside of UWA

- Collaboration helps foster new ideas and new opportunities!

Don't forget to set aside some "me-time"

- It's easy to get bogged down in all your work – if you don't take a break, you'll burn out!

Break down your research into smaller sub-problems to solve

- Ticking off lots of small problems in a to do list gives you a sense of progress!

My Experience Summed Up!