

CTA-Australia : Funding for 2014+

Why do we need funding?

→ Convert CTA-Australia from Associate to Regular Party

Regular Parties have full say in CTA design & operations, and eventually, access to “CTA-Time” for observations.

Prepare first funding proposals from mid-2013 for early 2014 deadlines

'Future Gamma-Ray telescopes' listed in current Australian
Decadal Plan for Australian Astronomy

→ *must have CTA explicitly listed in next decadal plan!*

CTA – Major Funding so far....

- Many National grants for R&D (USA, Europe, Japan) ~100kEuro
- CTA listed on national roadmaps/decadal plans
- EU ASPERA Roadmap 2.7 MEuro (Design Study)
- INAF Italy 8 MEuro for ASTRI Mini Array
- BMBF Germany CTA one of 3 projects in roadmap
→ potential for 10's MEuro

Reminder: Total cost of CTA (North & South) ~ 200 MEuro.

CTA-Australia : Funding for 2014+

Australian Research Council

- ARC LIEF (infrastructure, salaries, subs) ~\$100-\$200k/yr x 1-5

Adelaide EoI deadline 8 Nov 2013

Probably our key option.

- ARC Discovery (science focused, salaries) ~\$100-\$200k/yr x 3

NCRIS (National Collaborative Research Infrastructure Strategy)

- NCRIS one-off funding 2014+? ~\$50k - >200k?

State Level Support

- Premier's Research and Industry Fund (SA) but applied physics focus
- others?

Institutional Support

- contributions to ARC LIEF (~25%)
- possible additional monies? (DVCR?)

What to Fund..?

ARC LIEF (Adelaide, UNSW, ANU, USyd, UWS, Monash..)

1. ASTRI SST Mini-Array SiPMT testing, CHEC-S
2. Atmospheric Characterisation (LIDAR , Raman, DIAL)
3. Site infrastructure (e.g. PLATO remote power supplies?)
4. Plug gaps in CTA EoI in-kind outcomes
5. Some common funds to project office?

Note: A common fee is likely soon (~500 Euro/person/year)

Question - 1, 3, or 5 year proposal? 1 or 3 is my preference

Question - how many items can LIEF fund? Better to keep it limited 1 to 2 max?

ARC DP (leveraging CTA involvements)

- Mopra mm-radio telescope time (2015+).
- LIDAR DIAL developments (water vapour..)
- Dark matter studies? CoEPP led
- others..?