



Australian Government

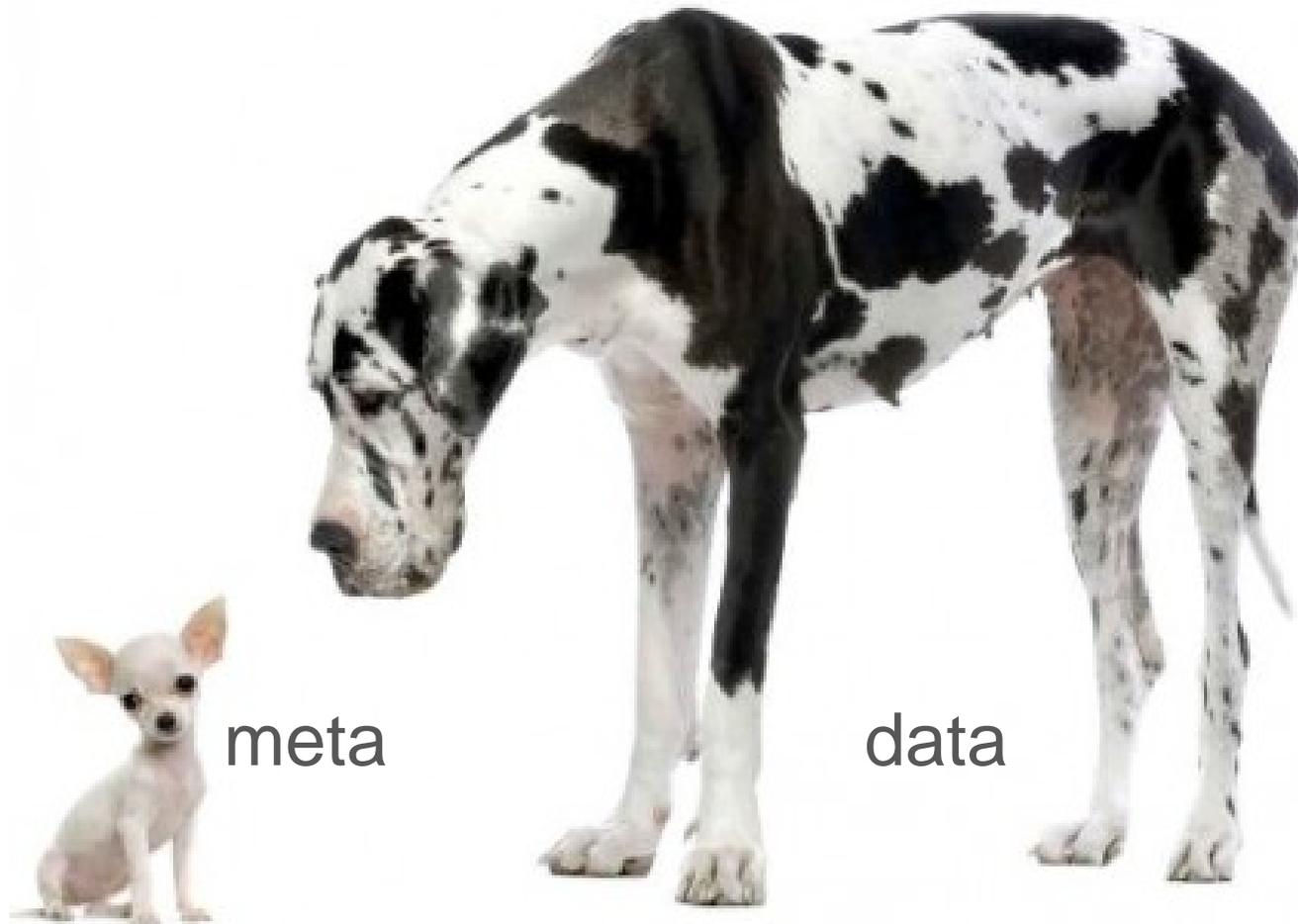


# ANSTO, the Australian Synchrotron, metadata catalogues and the Australian National Data Service



# Why metadata?

<http://themarketbureauwebsite.businesscatalyst.com>



meta

data

# Tardis

<http://albionheart.tripod.com>



**“bigger on the inside”**

<http://blogtorwho.blogspot.co.uk>



index the data you need to find the data you want



## Iridate perovskites

Description

Datasets (17)

Summary Table

Related Info

ANDS Register

### Authors:

Dr Chris Ling (c.ling@chem.usyd.edu.au), Dr Brendan Kennedy (brendan.kennedy@sydney.edu.au)

**Institution:** The University of Sydney

**Date:** 9th September 2010 00:00 - 13th September 2010 00:00

### Experiment

#### Dataset Information:

- **Datasets:** 17
- **Files:** 20
- **Size:** 13.0 MB

**Experiment Last Updated:** 14th September 2013 00:00

### License:

No license.

[Download Entire Experiment \(VBL\)](#)

[Download Experiment Metadata \(METS\)](#)

*This experiment is public.*

### Browse Experiments

[→ Index](#)

[→ Search](#)

...then scale it up to a National repository

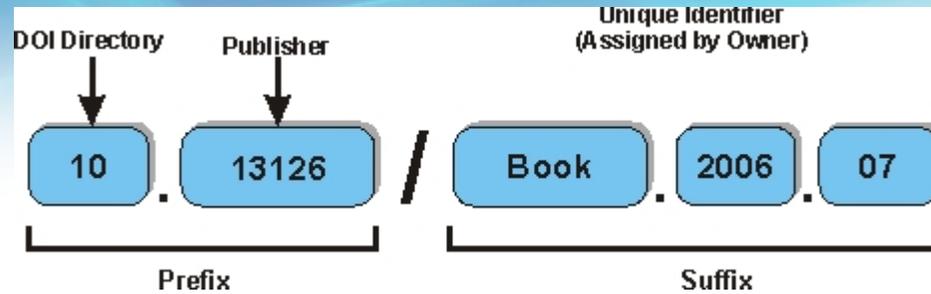


AUSTRALIAN NATIONAL DATA SERVICE

# ...and change the data culture

## Building a Culture of Data Citation





ANDS mints DOI's

DATA = “first class research output”

CITATION

Scientists benefit from publishing data

Search for Research Data



Browse by Subject Area



Browse by Map Coverage



Advanced Search

ANZSRC Field of Research:

- ⊕ MATHEMATICAL SCIENCES (39)
- ⊕ PHYSICAL SCIENCES (630)
  - ⊖ **ASTRONOMICAL AND SPACE SCIENCES (4)**
    - ↳ Astrobiology (0)
    - ↳ Astronomical and Space Instrumentation (11)
    - ↳ Cosmology and Extragalactic Astronomy (3)
    - ↳ Galactic Astronomy (8)
    - ↳ General Relativity and Gravitational Waves (0)
    - ↳ High Energy Astrophysics; Cosmic Rays (8)
    - ↳ Mesospheric, Ionospheric and Magnetospheric Physics (0)
    - ↳ Planetary Science (excl. Extraterrestrial Geology) (0)
    - ↳ Space and Solar Physics (0)
    - ↳ Stellar Astronomy and Planetary Systems (0)
    - ↳ Astronomical and Space Sciences not elsewhere classified (0)
  - ⊕ ATOMIC, MOLECULAR, NUCLEAR, PARTICLE PHYSICS (5)
  - ⊕ CLASSICAL PHYSICS (0)
  - ⊕ CONDENSED MATTER PHYSICS (55)
  - ⊕ OPTICAL PHYSICS (6)
  - ⊕ QUANTUM PHYSICS (0)
  - ⊕ OTHER PHYSICAL SCIENCES (113)
- ⊕ CHEMICAL SCIENCES (102)
- ⊕ EARTH SCIENCES (3764)
- ⊕ ENVIRONMENTAL SCIENCES (2850)
- ⊕ BIOLOGICAL SCIENCES (4561)
- ⊕ AGRICULTURAL AND VETERINARY SCIENCES (113)

## anzsrc-for / ASTRONOMICAL AND SPACE SCIENCES

Preferred Label	ASTRONOMICAL AND SPACE SCIENCES
Field of Research Code	0201

[show vocabulary metadata](#)

- Centre for Astrophysics and Supercomputing**
- Understanding and improving scaling relations for disk galaxies**
- Abundance Analysis of New CEMP RR Lyrae Stars**
- Follow-up of Transiting Planet Candidates**
- Supernova Spectroscopy and Host Galaxy Studies**
- Feeding the Chamaeleon --- Circumstellar disk accretion in and Chamaeleontis**
- New Young Stars with Actively Accreting Planets**
- Supernova Spectroscopy and Host Galaxy Studies**
- Mass and Metals in the Evolving Galaxies of the Local Universe**
- AAT Weather Data**

Search for Research Data



Browse by Subject Area



Browse by Map Coverage



Advanced Search

Home / The Australian National Unive... / Collection

# Abundance Analysis of New CEMP RR Lyrae Stars

Tonight, in the halo of the Galaxy, we observe variable carbon-enhanced metal-poor stars. These stars preserve chemical signatures of past stellar nucleosynthesis. We will use the WiFeS instrument in order to estimate accurate abundances of several elements. By doing so, we will determine how the first generations of stars produced the elements that surround us.

## How to Cite this Collection

### Citation (Metadata):

Kennedy, CR ( 2013 ): Abundance Analysis of New CEMP RR Lyrae Stars. The Australian National University Data Commons. URI: <https://datacommons.anu.edu.au:8443/DataCommons/item/anudc:5032>.  
<https://datacommons.anu.edu.au:8443/DataCommons/item/anudc:5032>

## Identifiers

URI: <https://datacommons.anu.edu.au:8443/DataCommons/item/anudc:5032>

## More Information

WiFeS information for observers

URI: <http://rsaa.anu.edu.au/observers/observing-rsaa/wifes-information-observers>

## Access

<https://datacommons.anu.edu.a...>

### Rights statement

All data obtained on ANU telescopes is publicly available after 12 months. Please contact the PI to negotiate access before that time.

### Contacts

[ckennedy@mso.anu.edu.au](mailto:ckennedy@mso.anu.edu.au)

## Connections

### Research Groups

Mount Stromlo and Siding Spring Observatories

### External Records

45 records from DataCite

# Help researchers fulfil 'the code'



Australian Government

National Health and Medical Research Council

Australian Research Council

Universities Australia  
[www.universitiesaustralia.edu.au](http://www.universitiesaustralia.edu.au)

**AUSTRALIAN CODE FOR THE  
RESPONSIBLE CONDUCT OF RESEARCH**

# Thanks to our sponsors



Australian Government



Nuclear-based science benefiting all Australians



Australian Synchrotron

**This project is supported by the Australian National Data Service (ANDS)**



**ANDS is supported by the Australian Government through the National Collaborative Research Infrastructure Strategy Program and the Education Investment Fund (EIF) Super Science Initiative**



**Australian Government**

---

**Department of Industry, Innovation,  
Climate Change, Science, Research  
and Tertiary Education**

See you in Melbourne 😊



**2015**  
**ICALLEPCS**  
melbourne • australia



Australian Government

---

**ansto**

---

**Thank you for listening**

---