



Zuzana Slavkovská

Postdoctoral Fellow
Australian National University
Department of Nuclear Physics















Research Background



Research Background

Studied 2009 - 2014 Goethe University Frankfurt, Germany

- Experimental Nuclear Astrophysics

PhD 2015 - 2018 at GSI Helmholtz Centre for Heavy Ion Research, Germany

- Astrophyscis with Storage Rings



Frankfurt

[1]



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Postdoc at ANU since Feb 2019

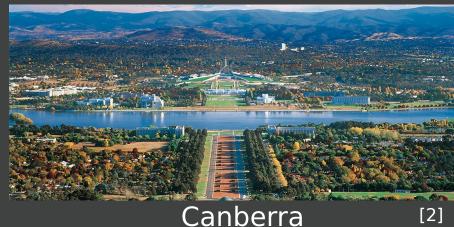
- Accelerator Mass Spectrometry





Frankfurt

[1]



My Contribution to ARC CoE for Dark Matter Particle Physics

Metrology







Steve Tims

Michaela Froehlich Zuzana Slavkovská



My Contribution to ARC CoE for Dark Matter Particle Physics

Metrology

SABRE: Impurity Estimation

- low background detector
- how much radioactivity present?
- ²¹⁰Pb. ²³²Th. ²³⁸U. ⁴⁰K
- ICP-MS, Collaboration with Research School of Earth Sciences at ANU







Steve Tims

Michaela Froehlich Zuzana Slavkovská

Type of Nal powder	³⁹ K content	satisfaction
Growth grade	340 mg / g	A lot
Astro grade	140 ng / g	Less
Next year	?	Even less?



My Contribution to ARC CoE for Dark Matter Particle Physics

Metrology

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Direct Detection, Supervision of Students in 2021





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Position

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References

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