

GIRLS IN PHYSICS BREAKFAST Friday, 24th May



Abstract: Nuclear fusion is what happens when two atoms join together to release tremendous amounts of energy. As a power source, fusion requires very little fuel, is safe and produces no greenhouse gases. Fusion powers the Sun, so what does it take to harness it here on Earth?

The first part of the talk will discuss the history of fusion science, culminating in the world's largest fusion experiment which is currently under construction in France. The second part of this talk will give an overview of the cutting-edge research happening in Australia and how the contributions of local scientists are making ground breaking contributions to the global quest for fusion power.

Along the way, I will attempt to shed some light on what it's like to unravel the mysteries of the world around us for a living and discuss what it takes to pursue a career in research.

Bio: Originally from Melbourne, Adelle Wright is a PhD candidate at the Australian National University's Mathematical Sciences Institute in Canberra. Adelle's research seeks to address fundamental challenges in plasma physics by developing novel theoretical models to advance our understanding and bridge the realms of real-world experiments, theoretical physics and applied mathematics. Adelle is actively engaged in the global fusion science community through involvement in multi-national collaborations and is a visiting research scholar at the Princeton Plasma Physics Laboratory in the US.

This event is sponsored by The Laby Foundation, Vicphysics Teachers' Network, the Victorian Branch of the Australian Institute of Physics, the College of Science, Health and Engineering at La Trobe University and supported by the Royal Society of Victoria.



Nuclear Fusion: An Australian Perspective with Adelle Wright, ANU

And ... have breakfast with young women in the early stages of a career in physics or engineering.

'I was talking to a guest at my table and her career sounded so amazing. Then I realised that in 8 years that could be me. I got so excited.'

Then afterwards explore the different types of STEM careers that might suit you

To sign up, see _____
Cost: \$15 Max: 6 students

7:30am - 10:00am

The Valleys, Wodonga TAFE