

Physics in the Pub

The Physics Variety Night!!

Friday 25 August 2023

6:00PM for 6.30PM start

THE BARRIE, 107-109 Regent Street, Chippendale

<https://www.thebarrie.com.au/>



Exploding stars, wombat poos & the zombie apocalypse: Physics in the Pub

The unique pub night will prove that physics can do anything - explain square wombat poos, predict a supernova or protect us from the zombie apocalypse.

Join us at our new cosy venue, the Barrie in Chippendale, for a big night of physics from local scientists from across the region.

This year featuring a third set, full of the most outlandish, unexpected and preposterous science - all peer reviewed!

With quizzes, live experiments and full-body demonstrations this will be a night to remember.

EVENT DETAILS

WHEN: 6 PM for 6.30 PM, Friday 25 August, 2023

WHERE: THE BARRIE, 107-109 Regent Street, Chippendale

HOW MUCH: Free thanks to the fabulous sponsor Laboratories Credit Union (LCU) www.lcu.com.au

REGISTER HERE:

<https://www.eventbrite.com.au/e/physics-in-the-pub-sydney-tickets-602967601327>

More Info: <https://www.facebook.com/events/229133536425357>

THE LINE UP

Scott Martin (CSIRO) is so scared of the zombie apocalypse that he put it in a risk assessment. Management were not amused (but I sure am!)

Orion's shoulder, the red giant star Betelgeuse, is behaving strangely. Is it about to explode and give us an amazing light show, asks **Graeme Melville (UNSW)**.

If you've found learning physics tricky, then you need to try belly dancing says **Lorna Jarrett (Wollongong, Uni)**.

Many bushwalkers have wondered how wombats do such square poos. **Jack Foster (Sydney Uni)** has tried to do the physics and it's a mystery. More experiments are needed (and may happen onstage)

Eric the plesiosaur is one of Australia's most famous, priceless fossil, complete with fossilised lunch. **Josh White (ANU/Aust Museum)** analysed Eric's lunch with micro CT scan. (looks like fish and chips).

Kovi Rose (Sydney Uni) studies dwarf stars that are so small they can't sustain fusion. He says these "cold, failed" stars deserve our love and affection. They are after all ultra-cool.

Phil Dooley (Phil Up On Science) is amazed at how good you are at Fourier Transforms - just doing them in your head, without showing the working!

Sepehr Saryazdi (Sydney Uni) is showing off the graphing app Desmos - it's a cool, under-appreciated tool that he says has the capacity to immensely improve education!

Simon Crook (CrookEd Science) is amused by the "funny and sometimes funnily appalling mispronunciations" of physicists' names (mostly dead white guys). He'll quiz us on it, so practise them up!

AI's power can be used for so much - **Quentin Meyer (UNSW)** used it to analyse and improve hydrogen fuel cell performance.

Consider a spherical... NOT SO FAST, says **Enbang Li (Wollongong, Uni)**. He's going to show how gravity around an asymmetric mass can be pretty unusual.

For more information please contact:
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