

Boulby and Underground Physics/Dark Matter

- Can we prepare for a UK particle physics community future where large-scale UG experiments are hosted in the UK?
 - Strategic review of Particle Physics Recommendation 88: “The current funding silo for Particle Astrophysics should end and those projects defined as being predominantly particle-physics related should be evaluated and funded within the particle-physics structures.”
 - How will UG projects not hosted in the UK find equity?
- How can we help build an ecosystem of small and mid-sized experiments to utilize Boulby in the next decade and to fill out an expanded lab?
 - Indeed, as so much of particle physics centers around large experiments/collaborations and long timelines, can we benefit from more small and nimble projects?
- What should we do to enhance public and government understanding of and excitement for dark matter and particle physics? (examples from next slide)

Public Perception of Dark Matter

Hot takes from Facebook after 2022 LZ results

There is no dark matter, do the people who fund this nonsense not pay attention to science news

Like Reply

So many other real problems and scientists are looking for some un findable matter. Waste of time and money

Like Reply

World: Scientists, please find a way to save our planet.
Scientists: Nah, it's easier & more fun to figure out how to open the gates of hell.



Like Reply

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Mysterious Dark Matter, hmmm. They're going to mess with something worse than Covid.

Like

I've watched way to many horror movies and I know, this won't end well.

Like

Digging for matter that has never been touch by a arrogant human. Yep, that's sounds about right. What about the melting ice caps with microcosm from long before human life existed. I bet this is about money not not helping the earth, but furthering it's destruction,

Like Reply 38 w

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Do we need to do better outreach?!

From S. Shaw's IOP talk