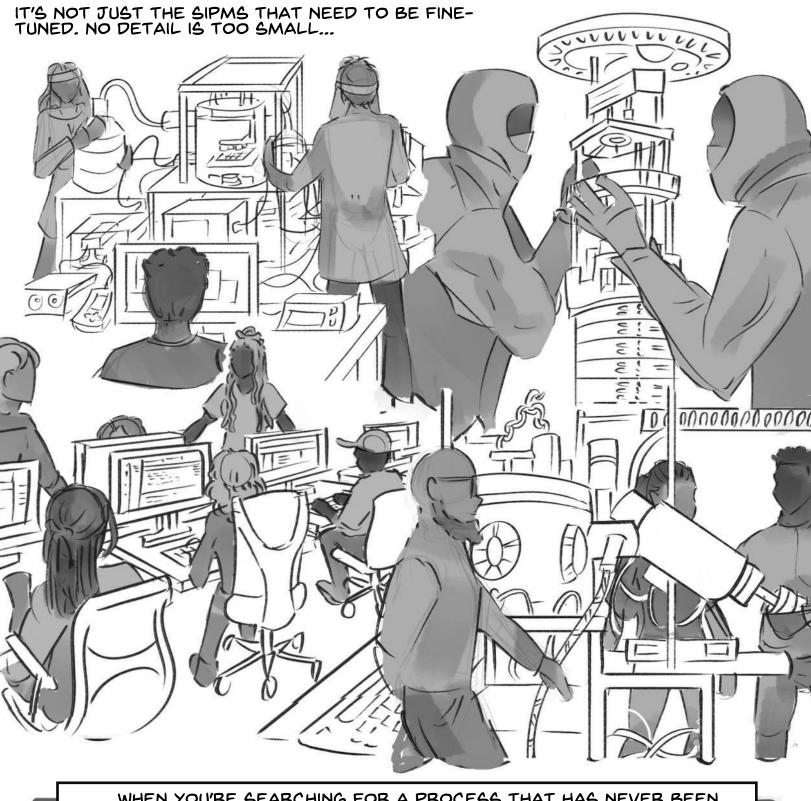


WILL BE USED TO FINE-TUNE THE SETTINGS OF THE SIPMS FOR THE FINAL EXPERIMENT.



... WHEN YOU'RE SEARCHING FOR A PROCESS THAT HAS NEVER BEEN OBSERVED BEFORE. IF YOU MISS IT, YOU MAY NOT GET ANOTHER CHANCE.

EVENTUALLY, THROUGH THE COLLECTIVE EFFORTS OF HUNDREDS OF PEOPLE AROUND THE WORLD, THE FINAL EXPERIMENT WILL COME TOGETHER.

WHAT WILL IT TELL US ABOUT THE NATURE OF THE UNIVERSE?

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REFERENCES

- 1) NEXO. HTTPS://NEXO.LLNL.GOV/
- 2) BREWSTER, S. (2016). IS THE NEUTRINO ITS OWN ANTIPARTICLE? SYMMETRY.
- 3) WAGENPFEIL, M., ET AL. (2021). REFLECTIVITY OF VUV-SENSITIVE SILICON PHOTOMULTIPLIERS IN LIQUID XENON. JOURNAL OF INSTRUMENTATION, 16 (08), P08002.
- 4) SLAC (2016). PROTOTYPE OF LUX-ZEPLIN DARK MATTER DETECTOR TESTED AT SLAC. SLAC

ABOUT ME

I AM A MASTER'S STUDENT IN PHYSICAL GEOGRAPHY, WITH A BACHELOR'S IN CHEMISTRY. I LOVE ART AND SCIENCE COMMUNICATION, SO I ENJOY FINDING WAYS TO COMBINE THEM TOGETHER (LIKE THIS COMIC!)

I PUT TOGETHER THIS PROJECT AFTER A SUMMER OF CROSS-DISCIPLINARY PARTICLE PHYSICS RESEARCH AT TRIUMF IN VANCOUVER, BC, CANADA.

BROADLY, THE RESEARCH WAS AIMED TOWARDS THE DEVELOPMENT OF NEXO, THE EXPERIMENT THAT WAS DISCUSSED IN THE COMIC.

CONNECT WITH ME
(ABOUT ART, SCIENCE OR BOTH!)

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