

# A Deeper Understanding of Our Universe from Far Underground

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Prof. Art McDonald, Gray Chair, Emeritus, Queen's University, Kingston, Ontario, Canada

By going deep underground and creating ultra-clean conditions it is possible to produce the lowest radioactivity laboratory in the world. There we can address very fundamental questions about our Universe: How does the Sun burn? What are the abundant dark matter particles in the spaces between the stars? What are the properties of neutrinos, elusive particles that are one of the fundamental building blocks of nature? How do these particles influence how our Universe evolves? Experiments addressing these questions are taking place at underground labs internationally and will be described.

**Presenter:** Prof. MCDONALD, Art