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Astroparticle Physics and the SNOLAB Underground Laboratory

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Astroparticle physics explores the intersections between particle physics and astrophysics. Major questions include the direct detection of dark matter and the determination of the mass, character, and influence of neutrinos. SNOLAB, a deep underground clean laboratory in Sudbury, Ontario has been built to enable such measurements. The SNOLAB laboratory will be described, as well as two experimental projects that will be sited there: The SNO+ double beta decay neutrino experiment and the DEAP/Clean Liquid Argon dark matter detector.