Rapport d'activité LPNHE 2020–2021
Liste de publications du groupe DAMIC

21 novembre 2021

Articles

1. A. Aguilar-Arevalo, D. Amidei, I. Arnquist et al. « Characterization of the background spectrum in DAMIC at SNOLAB ». *arXiv e-prints*, arXiv :2110.13133 (oct. 2021), arXiv :2110.13133. arXiv : 2110.13133 [hep-ex]
2. A. Aguilar-Arevalo, D. Amidei, D. Baxter et al. « Measurement of the bulk radioactive contamination of detector-grade silicon with DAMIC at SNOLAB ». *Journal of Instrumentation* 16.6, P06019 (juin 2021), P06019. DOI : 10.1088/1748-0221/16/06/P06019. arXiv : 2011.12922 [physics.ins-det]
3. A. Aguilar-Arevalo, D. Amidei, D. Baxter et al. « Results on Low-Mass Weakly Interacting Massive Particles from an 11 kg d Target Exposure of DAMIC at SNOLAB ». *Phys. Rev. Lett.* 125.24, 241803 (déc. 2020), p. 241803. DOI : 10.1103/PhysRevLett.125.241803. arXiv : 2007.15622 [astro-ph.CO]
4. R. Saldanha, R. Thomas, R. H. M. Tsang et al. « Cosmogenic activation of silicon ». *Phys. Rev. D* 102.10, 102006 (nov. 2020), p. 102006. DOI : 10.1103/PhysRevD.102.102006. arXiv : 2007.10584 [physics.ins-det]
5. A. Aguilar-Arevalo, D. Amidei, D. Baxter et al. « Constraints on Light Dark Matter Particles Interacting with Electrons from DAMIC at SNOLAB ». *Phys. Rev. Lett.* 123.18, 181802 (nov. 2019), p. 181802. DOI : 10.1103/PhysRevLett.123.181802. arXiv : 1907.12628 [astro-ph.CO]

Actes de conférences

1. Michelangelo Traina. « Results on Low-Mass Weakly Interacting Massive Particles from a 11 kg d Target Exposure of DAMIC at SNOLAB (ICRC2021 Proceedings) ». *arXiv e-prints*, arXiv :2108.05983 (août 2021), arXiv :2108.05983. arXiv : 2108.05983 [astro-ph.CO]