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### LIST OF PUBLICATIONS

1. Aleena Chacko, D. Indumathi, James F. Libby, P. K. Behera, “First simulation study of trackless events in the INO-ICAL detector to probe the sensitivity to atmospheric neutrinos oscillation parameters”, *Physical Review D.*, 102, 032005 (2020)
2. Aleena Chacko, D. Indumathi, James F. Libby, P. K. Behera, “Study of atmospheric neutrino oscillation parameters at the INO-ICAL detector using  $\nu_e + N \rightarrow e + X$  events.” *Springer Proceedings in Physics.*, 261, 445 (2021), Springer-SPPHY-261.
3. A. Kumar, A.M. Vinod Kumar et al., (INO Collaboration), “Invited review: Physics potential of the ICAL detector at the India-based Neutrino Observatory (INO)”, *Pramana J Phys.* 88, 79 (2017)