

# nEXO OD FLUKA Simulations Manual

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## **Abstract**

This document is intended to provide insight into the functioning of the nEXO FLUKA simulations and justifications for choices made in their design. FLUKA can be a daunting software to work with given it is written in FORTRAN77, has sparse documentation, and whose source code, without a specific licence, is veiled behind a curtain. However, this proprietary simulation program is fast and rich with built-in features.

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Part I

# Introduction