

Introduction

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LUXE NPOD detector meeting
21/07/2022



Miscellanea

A mailing list for meeting announcements and to communicate among ourselves is now available: luxe-bsm@desy.de

- All people who attended the kick-off have been signed up
- The list should be open in case you didn't attend the kick-off and would like to join

The meetings will live under: <https://indico.desy.de/category/730/>

Simulation software available at <https://github.com/LUXEsoftware/lxsim>

- Aim to collect NPOD-specific event generation and other related utilities in github too

Backup

Urgent todos

(a personal list)

Since the release of 2107.13554 the space, environmental and data-taking constraints have been updated (see from Louis next).

Need to quantify physics potential as a function of:

1. Decay volume
2. Detector acceptance
3. Data taking time
4. Dump thickness

Steps 1-3 can likely be done with a toy model.

Step 4 will require simulation.