

New Physics Search and Dump Calorimeter at LUXE



LUXE

Ivo Schulthess

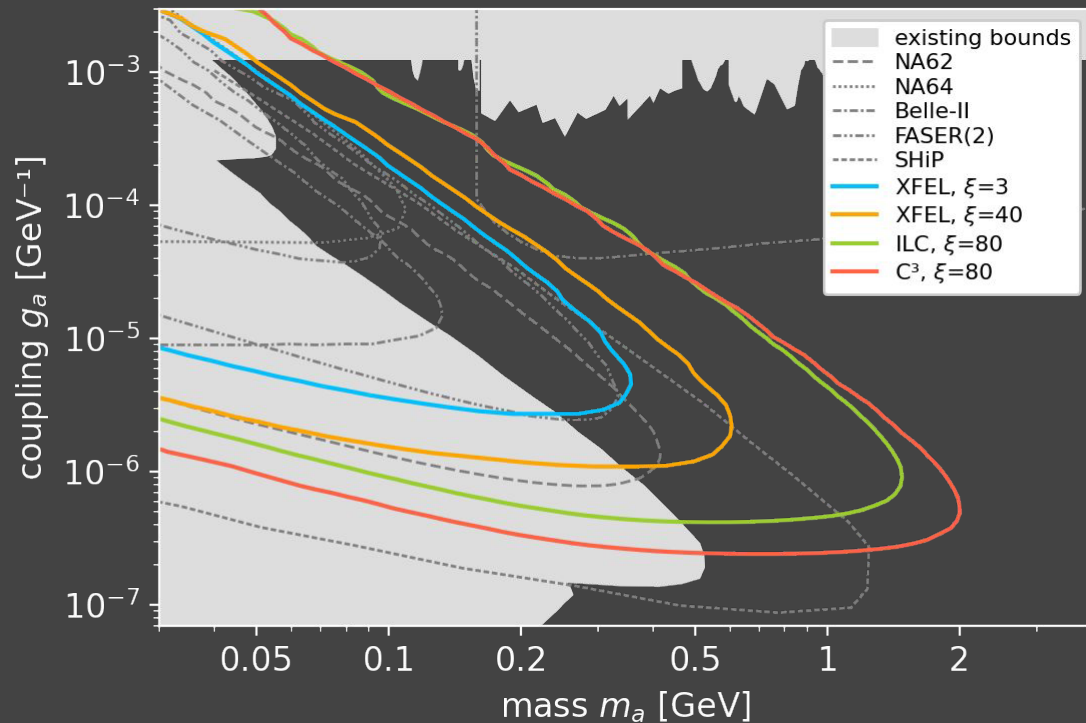
Weekly LUXE Meeting

Deutsches Elektronen-Synchrotron DESY

2024 - KW29

New Physics Search

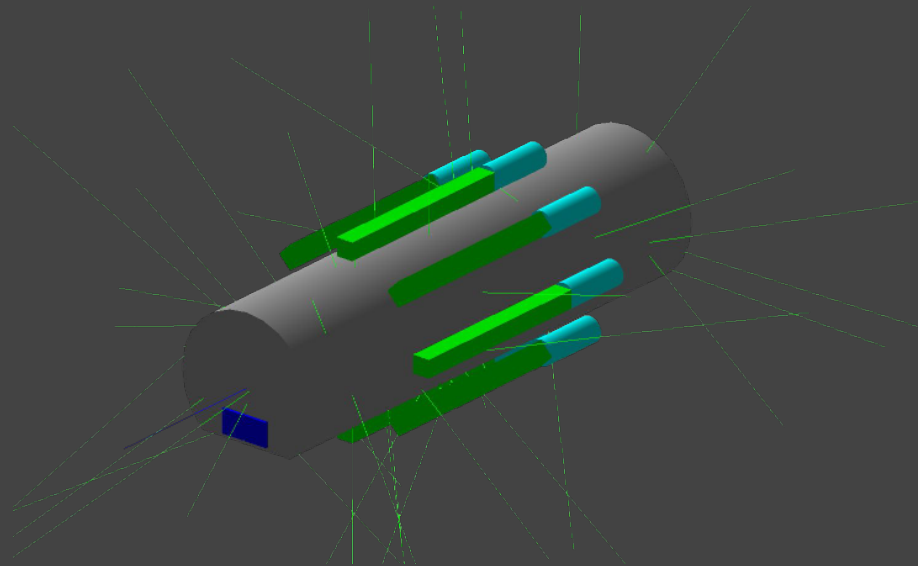
NPOD for Future Facilities



- talk at the SLAC fundamental physics directorate seminar (Ivo)
- talk at the ILC group meeting (Ivo)
- poster at the FCC-week 2024 (Ivo)
- talk at the LCWS (Ruth)

Dump Leakage Calorimeter

Status



- analysis "done"
- manuscript in preparation
- simulation in g4bl (Louis)
- upgrade in consideration

Summer School 2024

"Simulation and analysis of novel detectors to search for new physics"

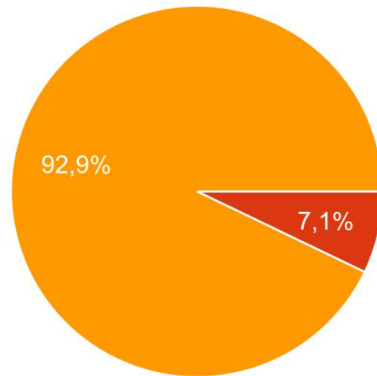
- summer student: Sarawit
- option 1:
g4bl simulations for dump leakage calorimeter
- option 2:
dd4hep simulation of NPOD signal and reconstruction
- option 3:
geant4 simulation of NPOD for future facilities

Strong-Field QED Workshop

Preliminary Evaluation

How interested are you in participating in the workshop?

14 Antworten



- not interested at all
- somehow interested
- very interested
- I was send this questionnaire against my will