

The Technical Design Report (TDR) for SAND in the ND complex

Paolo Bernardini, Lecce
SAND General Meeting
January 21st, 2025



UNIVERSITÀ
DEL SALENTO
L'Ateneo tra i due mari



Now we are using a single overleaf site

SAND-TDR

SAND-TDR-Physics-Software-WG

GRAIN-TDR-Chapter

SAND-TDR

383 pages
307 figures
77 tables
14 todo

Present : SAND-TDR is a chapter of ND-TDR

Future : SAND-TDR as a stand-alone document
a chapter for each present section ?

1. Overview

correction in progress as per suggestions by JD Lewis

7 pages

2. Lead/Scintillating-Fiber Calorimeter (ECAL)

3. Superconducting Magnet

deadlines to be updated

I&I section missing

93 pages

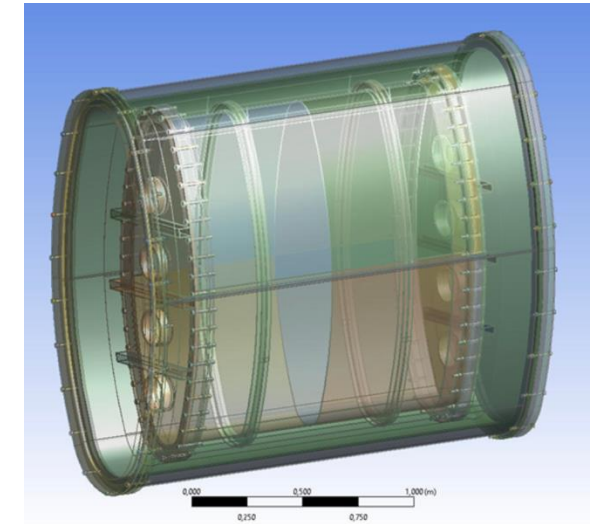
referees: L. Tomassetti (FE), A. Surdo (LE), P. Gauzzi (Roma1)



4. GRAIN

I&I section missing
30 pages

referees: A. Campani (GE), M. Pozzato (BO)



5. STT

present: almost empty
contributions expected within tomorrow

referees: M. Diwan (BNL), Seog Oh (Duke)

6. Drift Chamber

present: empty

7. DAQ

8. Det. Control System

9. Det. Safety System

some incomplete subsections

8 pages

referees/authors: S. Di Domizio (GE), C. Mariani (Virginia Tech)

10. Software & Computing

some missing subsections

some missing references (todo)

27 pages

11. Event Reconstruction

some missing subsections

102 pages

12. Analysis

80 pages

13. I&I

some incomplete sections
9 pages

14. Safety

empty

15. Management

3 pages

16. Time Schedule

empty

Glossary

7 pages

Bibliography

7 pages



My proposal:

Authors are invited to contribute within next Friday

Then I clean up the document (todo removal) and post the draft on DUNE DOC-DB before the meeting

The missing sections will be visible just for the title

Contributions after Friday will not be included in this **first draft**

