



IMPACT

Facility: NP

Neutrino Platform Facility in IMPACT

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Neutrino Platform Facility in IMPACT

This document describes the IMPACT configuration for the new Facility Neutrino Platform
in the EHN1 Neutrino Platform extension

Prepared by:

**O. Beltramello
J. Etheridge**

Checked by:

**G. Cumer
J. Etheridge
R. Folch
D. Mladenov**

Approved by:

M. Nessi

Distribution List:

Acceptance test before release:

1 Configuration

1.1 Name of the Facility

The name of the Facility is **Neutrino Platform**.

1.2 Mask

The mask is the default mask except the DIMR which will be implemented when the area becomes radiologically controlled.

1.3 Systems

The system tree is as follows:

Neutrino Platform:

- Beam line H2
- Beam line H4
- Cryogenics
 - o Cryo Lar NP02
 - o Cryo Lar NP04
 - o Cryo N2
 - o Transfer lines NP02
 - o Transfer lines NP04
- General Infrastructure
 - o HVAC, cooling
 - o Electricity, Fibres
 - o Counting rooms
 - o Metallic structures
 - o Access
 - o Doors
 - o Transport
 - o Safety systems
 - o Survey
 - o Civil engineering
- General safety
- NP02
 - o APA
 - o CPA
 - o Field Cage
 - o DSS
 - o Clean room
 - o Cryostat Warm
 - o Cryostat Cold
 - o HV
 - o Feedthrough
 - o Front End Electronics

- Controls
- Survey
- NP04
 - CPA
 - LEM
 - Field Cage
 - DSS
 - Clean room
 - Cryostat Warm
 - Cryostat Cold
 - HV
 - Feedthrough
 - Front End Electronics
 - Controls
 - Survey
- NP02 back end electronics
- NP02 Computing
- NP04 back end electronics
- NP04 Computing
- Visitor Center
- Control and Detector Safety System

1.4 Locations and Access Points

Location	Access Points	Building number**	Selectable*
EHN1 Neutrino Platform Extension			No
887-NE-Hall 0 (ground floor)	YDA01=	887	Yes
887-NE-Hall 1 (1st floor)	YDA01=	887	Yes
887-NE-Hall 2-3 (2nd/3rd floor)	YDA01=	887	Yes
887-NE-TA	YDA01=	887	Yes
887-NE-TB	YDA01=	887	Yes
887-NE-NP02	YDA01=	887	Yes
887-NE-NP04	YDA01=	887	Yes
887-NE-Galleries	YDA01=	887	Yes
887-NE-Cryo	YDA01=	887	Yes
887-BE-H4	YDA01=	887	Yes

(*): if true, the location can be used in the Activity. This flag can be used to enforce users to be specific enough (e.g. not allowing selecting the Facility itself)

(**): building number which might be used in safety procedures such as Fire Permit to identify a TSO, DSO...

1.5 Approvals

The roles are defined as below:

Role	Who
Facility Admin	M. Nessi
Facility Coordinator	D. Mladenov
Location Coordinator	G. Cumer; Q. Bouriek
Facility Safety Approver (PSO)	J. Etheridge; Cyrille Bedel
Facility Safety Approver for activities under EP responsibility	O. Beltramello; L. Di Giulio
Facility Safety Approver for activities under EN responsibility	R. Folch; S. Cherault
Facility Safety Approver in case of non EP or EN activities	R. Folch, O. Beltramello

1.6 Allow e-groups as participants

No

1.7 Intervention Periods

Initially, only one intervention period “installation” of type “n/a” (not assigned) is created from the 05.09.2016 to the beam commissioning period.

Additional intervention periods will be created by the Facility Administrators once needed.

If there is a need for additional intervention period **types**, this will be implemented on request by AIS.

2 Work Flow

