

Preliminary thoughts and infos about assembly at CERN

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- These slides are a **preliminary list of items** which should be considered while evaluating the assembly place
- The list is a first draft but likely not complete. The presentation today is to be sure we do not miss to include any major point
- Timescales for several items are under investigations. Details will be presented next Monday at the assembly meeting as agreed last week

Main / Major Steps

CERN involved in the process
ND280 upgrade organisation

- Box mechanics reassessment (NP) and review
- Box purchase process
- Box production
- Box/Platform* design safety validation
- Platform material purchase
- Platform delivery at CERN
- Platform construction
- Detector assembly
- Shipment

*currently on hold till the box is validated

Status:

- timescale for procurement and safety checks depends on the design.
- Inquiry for shipment both via boat and plane submitted for the detector and the platform

Other crucial points

- **Space at CERN:** discussion started with NP in September. Space found in EHN1, splitted in two areas 5-8m apart
- **Crane availability:** ok at EHN1 up to 40t. Use has to be request but in principle no problem
- **Load/unload of material:** access to tracks to the area. Load/unload using the crane is possible
- **Additional Costs for infrastructure:** at CERN crane and transport within CERN do not imply additional costs
- **Additional services:** metrology or other services can be useful? CERN can offer a large support
- **Personnel / facilities :** availability for people participating to the assembly (which institutes?) to come on site. Workshops and technical personnel (e.g. engineers from ETH/UniGe) easily available to be at CERN
- **Accessibility (due to Covid):** CERN has guaranteed so far the access to experimental areas also during previous lockdown or confinement
- **Support** and contact well established with the NP
- **Baby basket available at CERN** for integration tests (also with ToF and TPCs which are/will be at CERN)