Intermediate Frame for Olympus

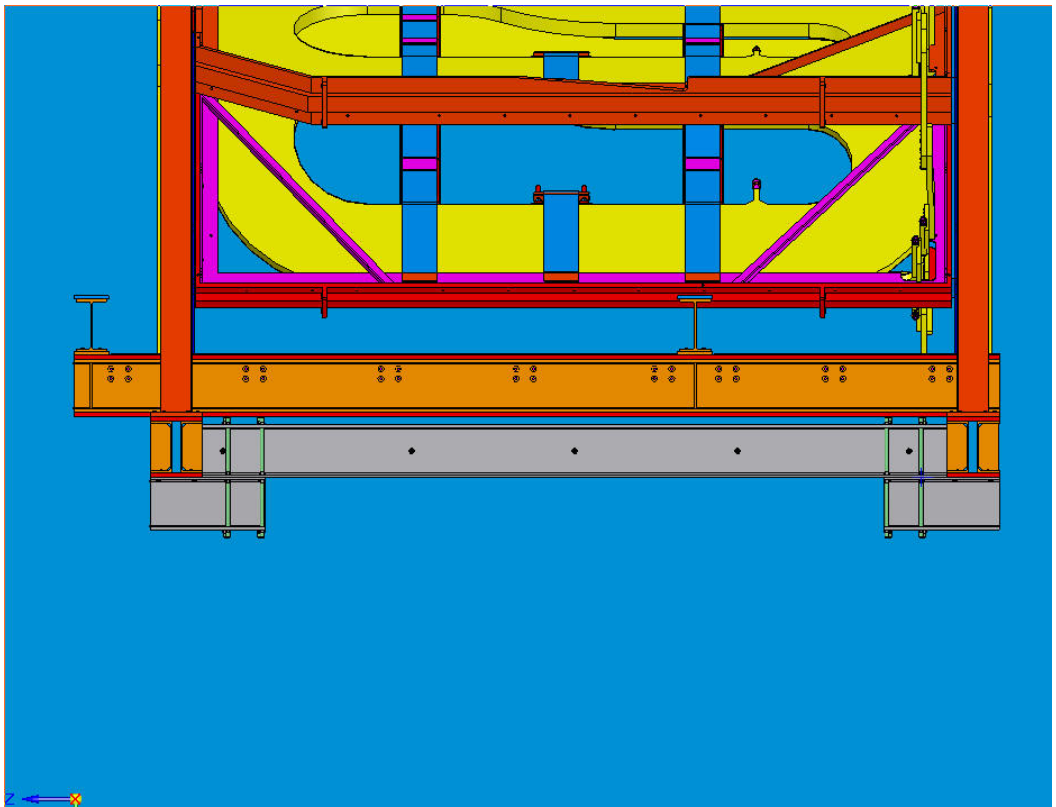
Interface from Blast Frame to Argus rails

Track gauge of Blast is 4645 mm while track of Argus is 3200 mm.

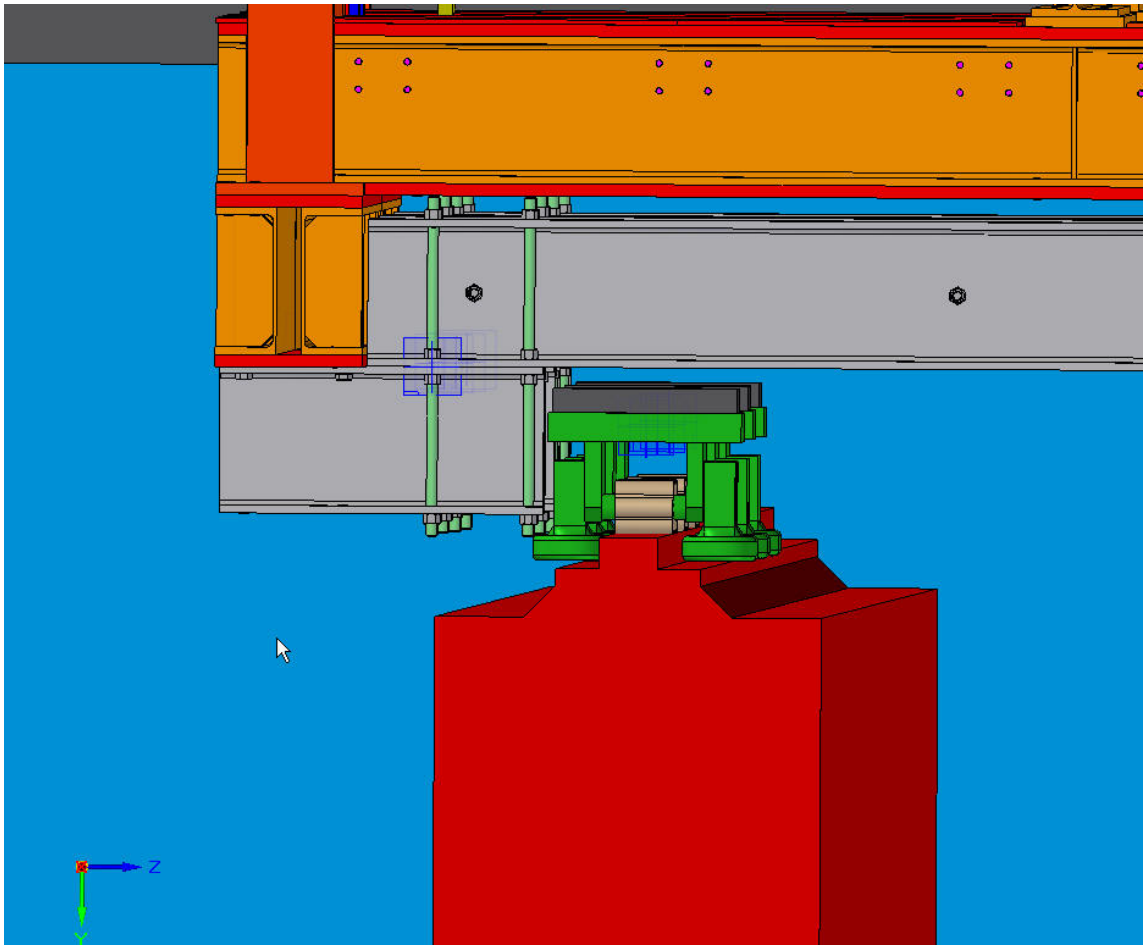
We want to keep the Argus rails.

Height difference of rails is that we can arrange an intermediate frame.

In grey : intermediate frame



in orange: **Blast frame**
in grey: **Intermediate frame**
in red: **Argus rails with concrete foundation**
in green: **Argus carriage, probable to be replaced by Blast carriage**

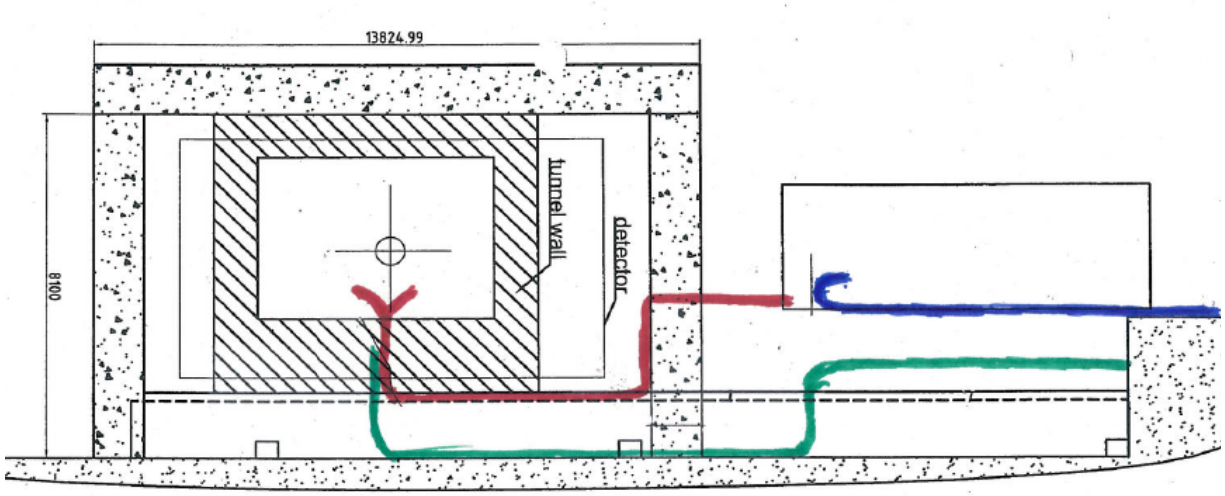


Status

- **Basic design made**
- **Still to produce workshop drawings**
- **Need to purchase Aluminum U-Beams (which is apparently impossible for this size in Germany)**
- **Conntacted Jim Kelsey for supply by MIT**
- **Beams to be shipped with the first container and to be machined in Hamburg**
- **Machining and assembling takes abt. 3 weeks**

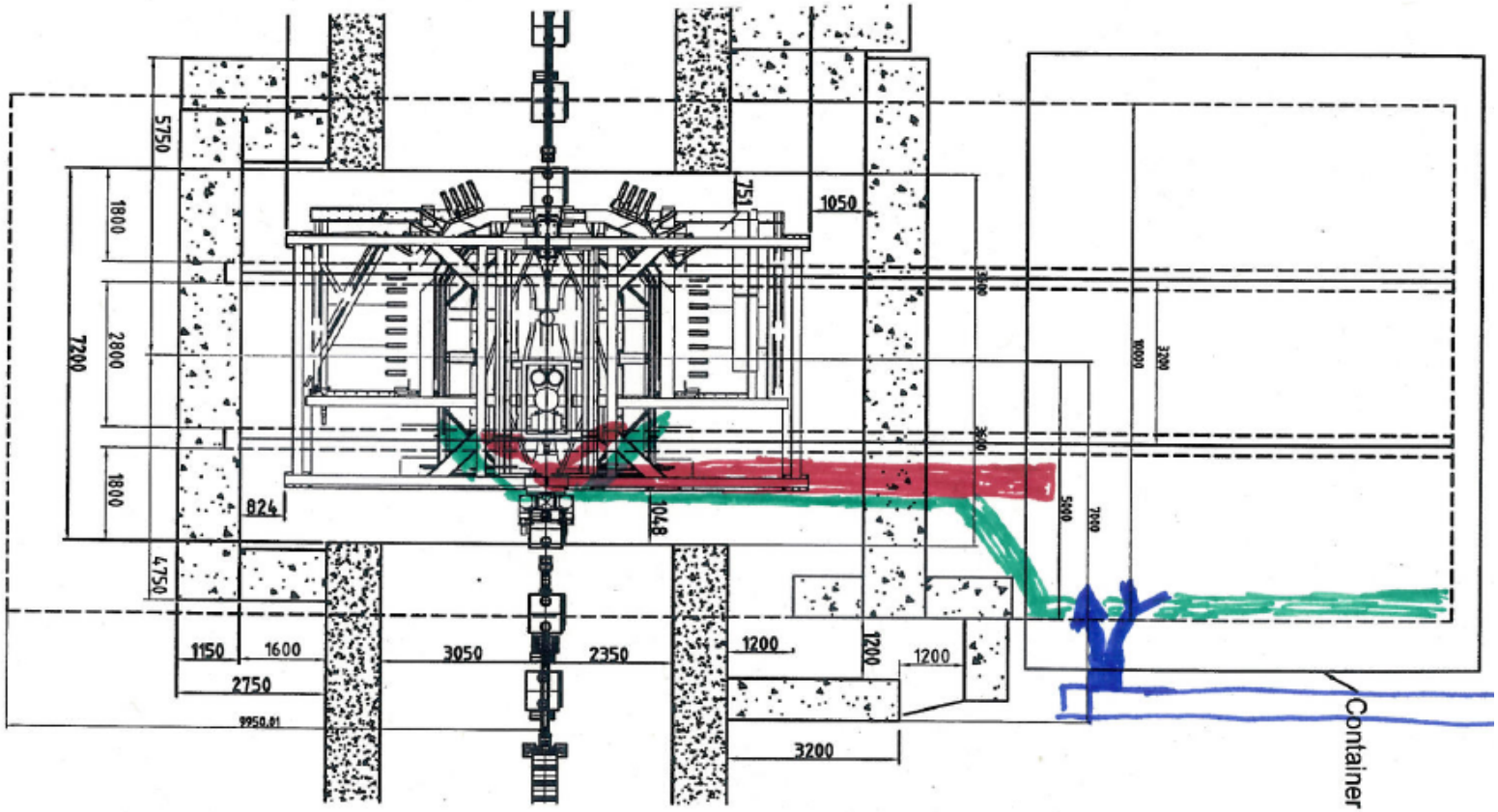
Cable Routing Olympus

Olympus in beam position



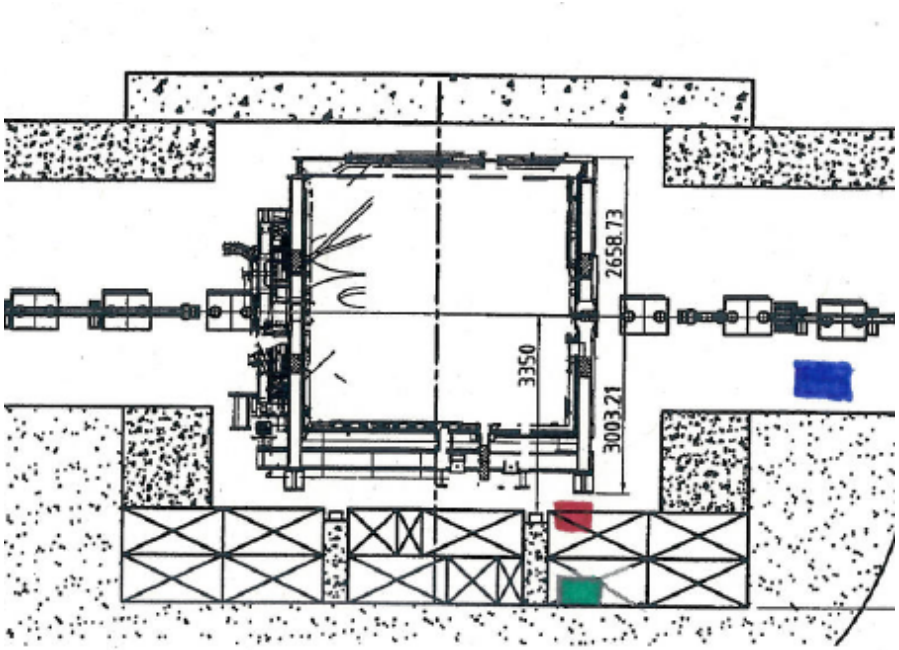
view in direction of the beam

in red:	**signal and power, rucksack to detector**
in green:	**power to coils**
In blue:	**cables to rucksack in tankchain**



topview

in red:	**signal and power, rucksack to detector**
in green:	**power to coils**
In blue:	**cables to rucksack in tankchain**



Viewfrom ringoutside

in red: signal and power, rucksack to detector
in green: power to coils
In blue: cables to rucksack in tankchain

Signal and power from rucksack to detector will be on a fixed cablebridge which moves with the rucksack

Power cables to coils run on the floor of the pit and are connected to manifolds on detector halves. Cables are to be reconnected when detector was moved from parking position to beam.

Cables to rucksack are running in a tankchain which is situated on the hall floor in beam upstream direction