



## TOF1 displacement mechanism



Fixed length guide tubes

- 70-cm wide permanent extension of guide tubes outside shield
- Straightforward to construct
- Perfect stability at all positions

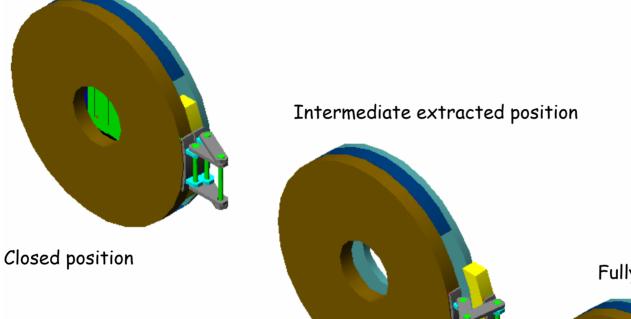
•Everything in aluminium or plastic

Note. Although more complicated it would be possible to remove the external parts of the tubes when TOF1 is in the beam

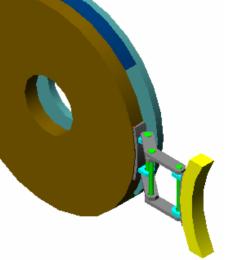


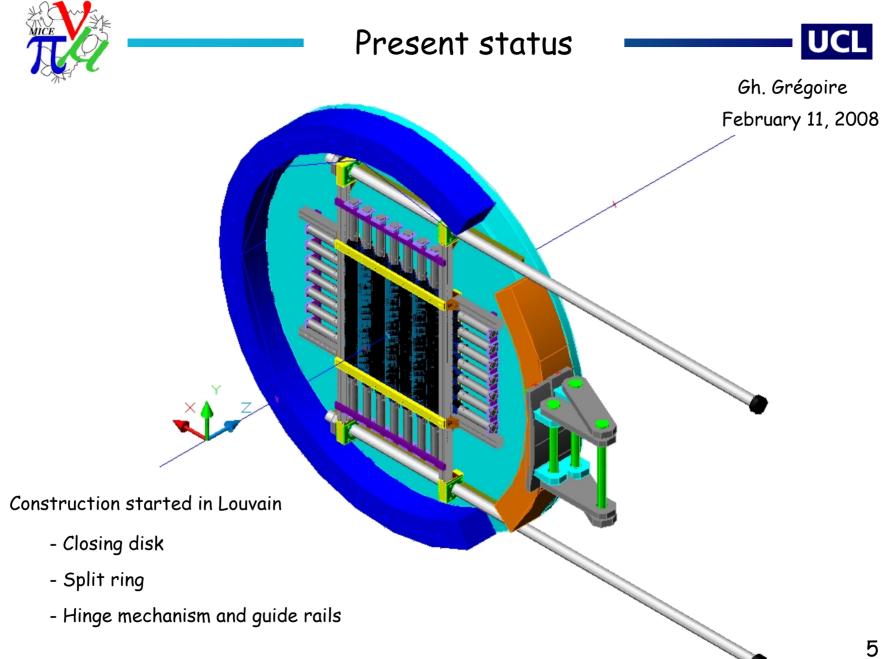
#### Shield opening mechanism





The split ring should be slightly wedged (tapered) to make the extraction motion more easy Fully open position

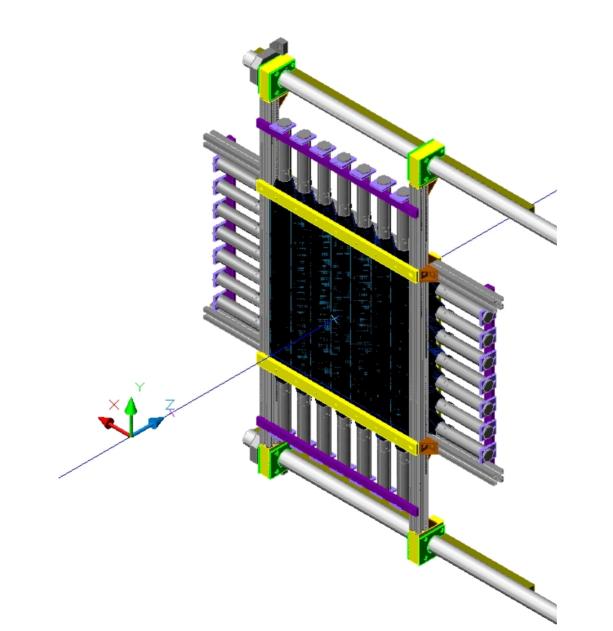






#### Assembled TOF1



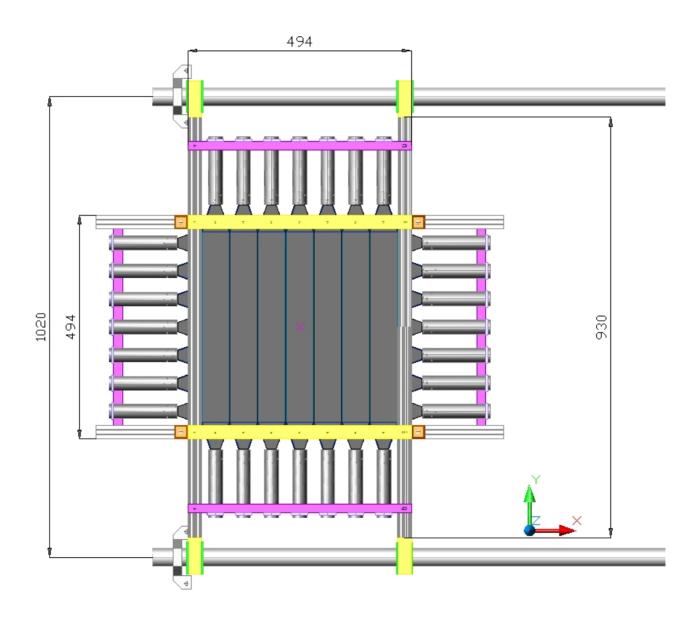


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#### Dimensions of TOF1





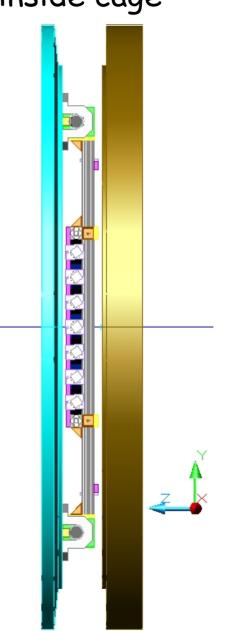


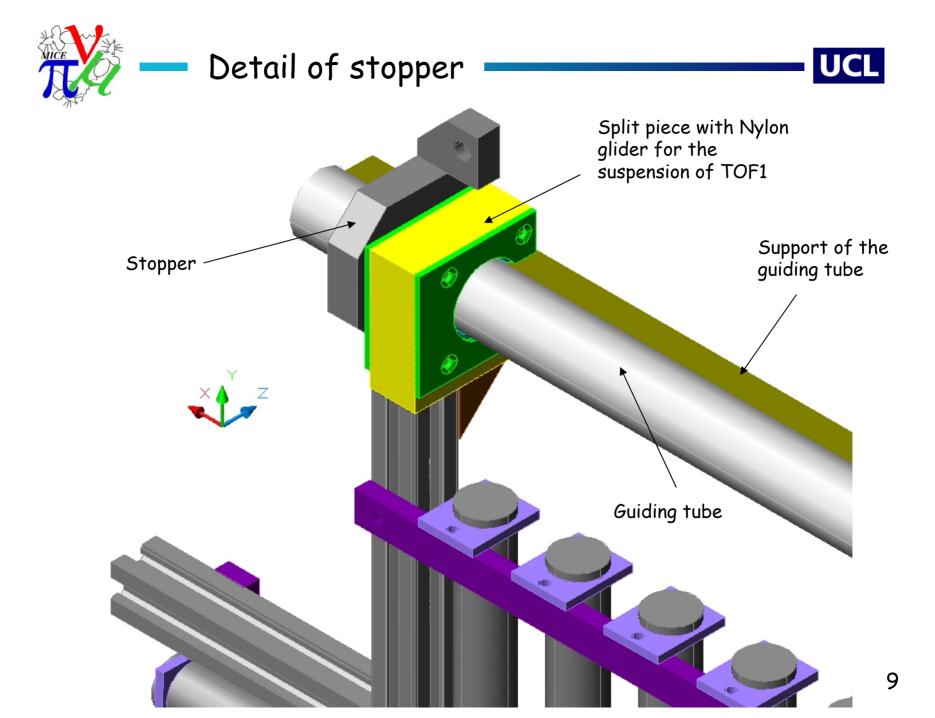
### Side view of TOF1 inside cage



TOF1 is 82 mm thick (along z)

It is hung in the middle of the 100-mm gap between Virostek and closing flange







# Decisions, budget and management



- Quotation from Louvain accepted by the Executive Board (end of Jan)
- Louvain agreed (Feb 01)
  - 1. To construct the hinge mechanism ( « operation costs ») 3 -9 k€
  - 2. To subcontract the other large pieces in the industry (closing flange, split ring)
  - 3. To charge myself with the management of the construction  $0 \in 0$
  - 4. To freely contribute to MICE with the manpower costs 5-6 k€
- $\boldsymbol{\cdot}$  Other expenses: packaging and transport to RAL not included in the quotation

Contributed

by Geneva