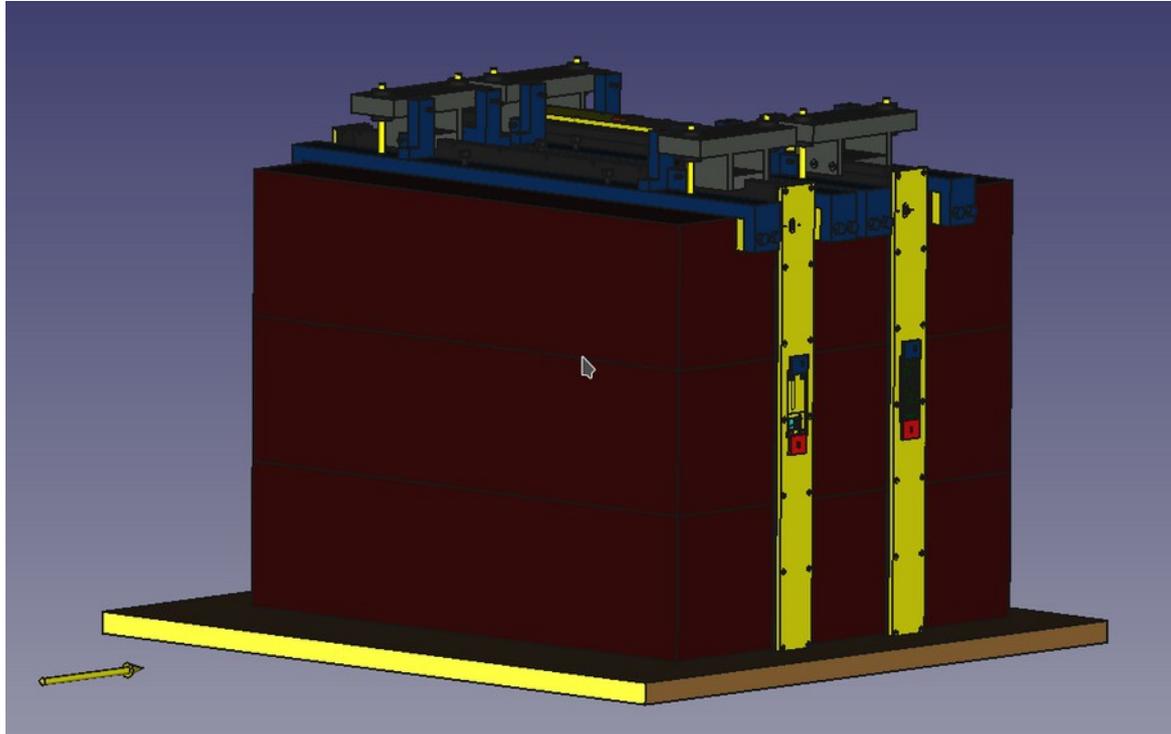


# SND@LHC muon detector mechanics

Luis Lopes

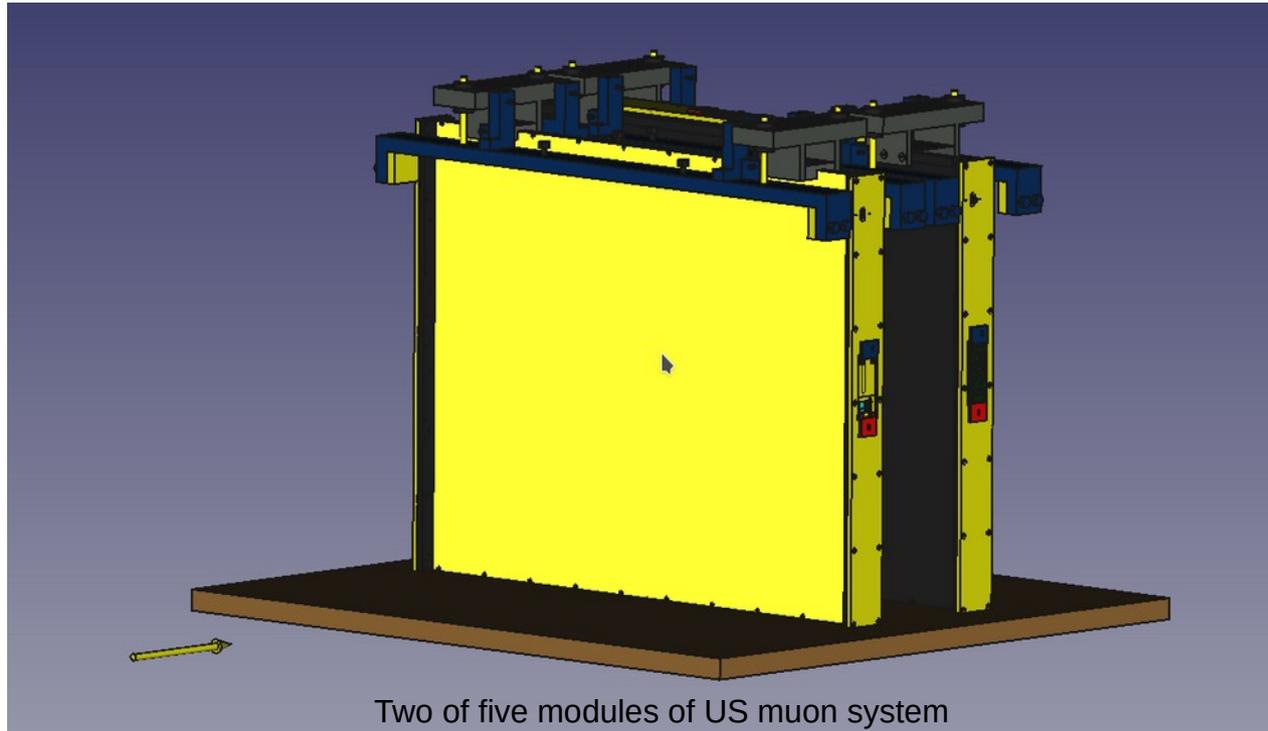
As a **contribution to the MoU signed by LIP and SND@LHC**, the **LIP Mechanical Workshop has produced** (most of the elements ) of the **US muon system mechanics**.



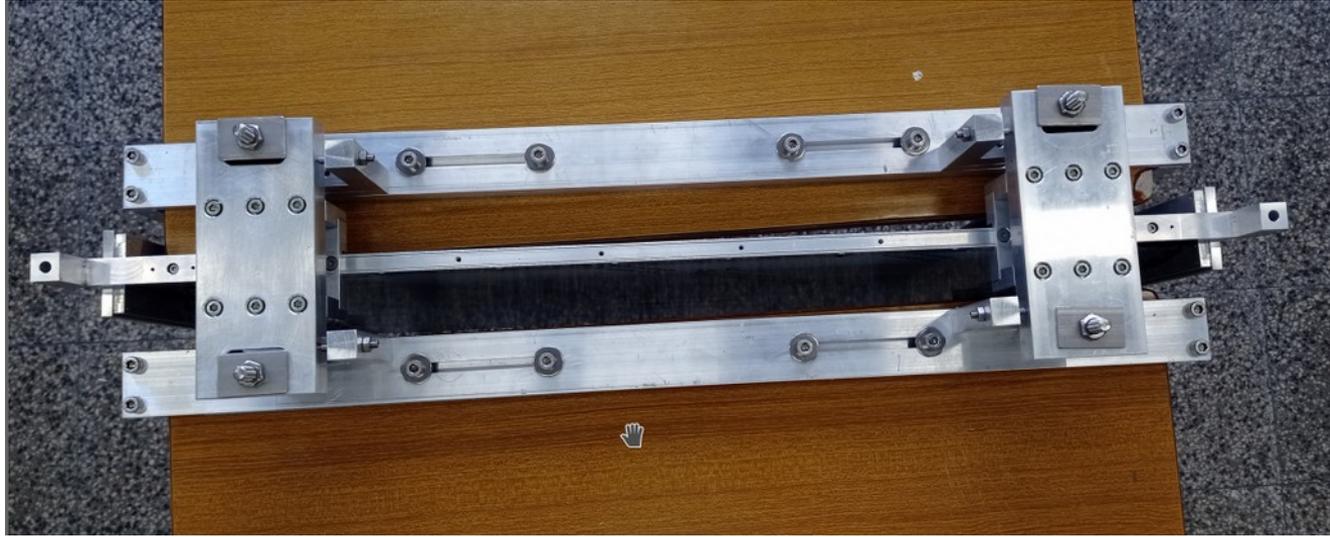
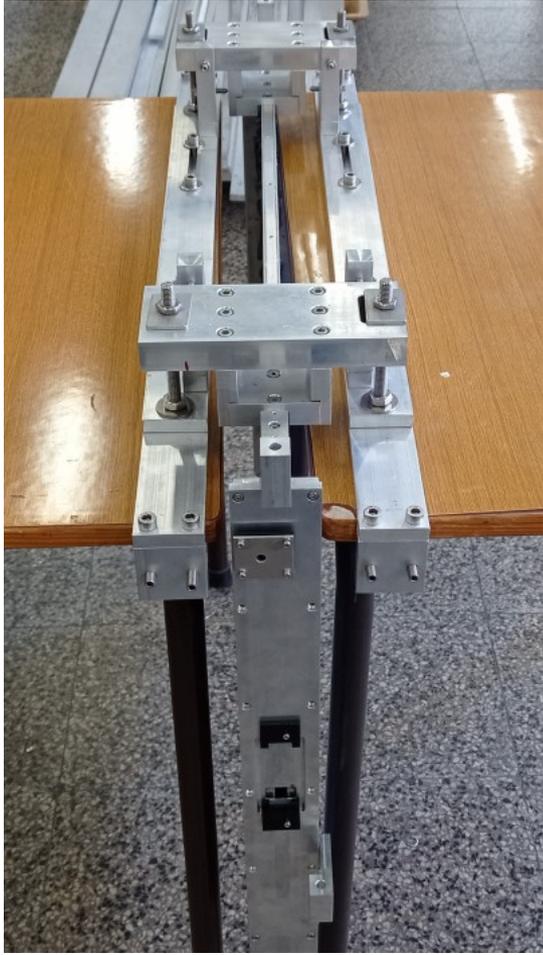
Two of five modules of US muon system

The CAD design has been made by Bologna group but strongly modified by the workshop to eliminate errors and improve production efficiency.

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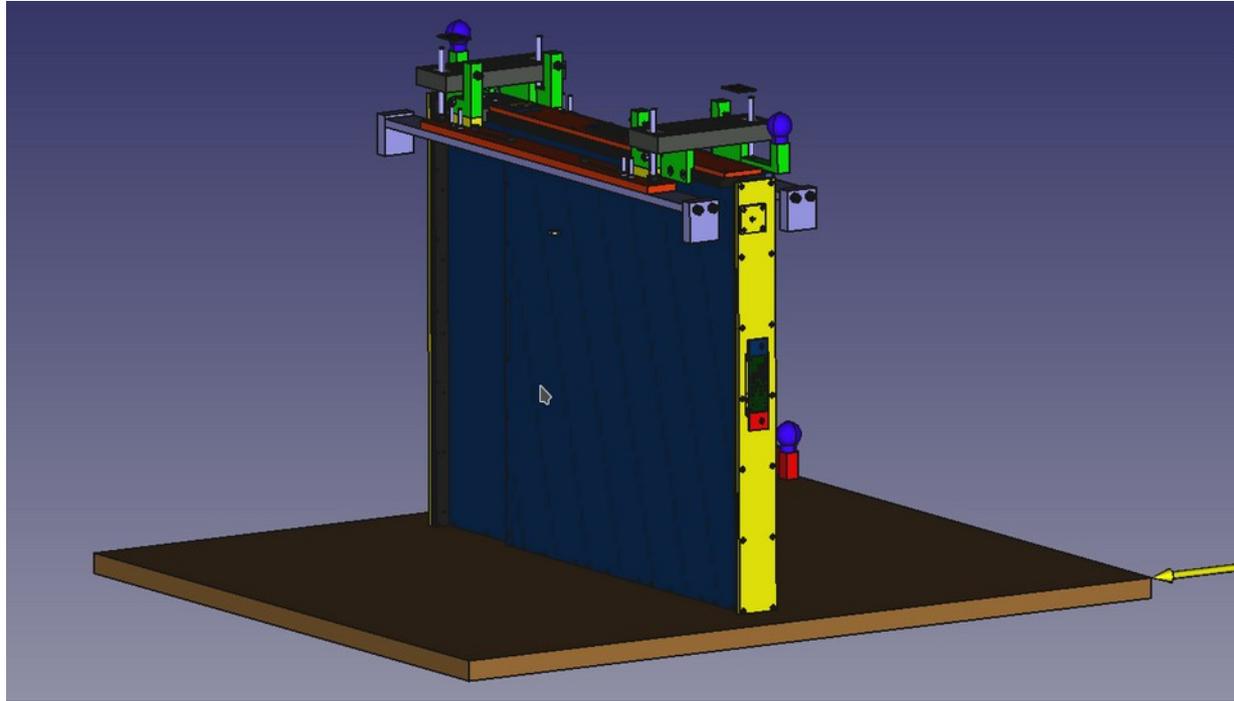


Some of the improvements are, e.i., the use of raw materials with standard sizes, which drastically reduce machining time and consequently price.



**Simple but at the same time quite complex mechanics** due to number of pieces and small details  
**Extremely tight calendar and successfully executed in time.**

In addition, **the DS muon system mechanics is been produced by the Mechanical Workshop** but outside of the MoU **as an external work.**



To be finished in August

