Mechanics dedicated to a PARIS Cluster

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Single bloc mechanic

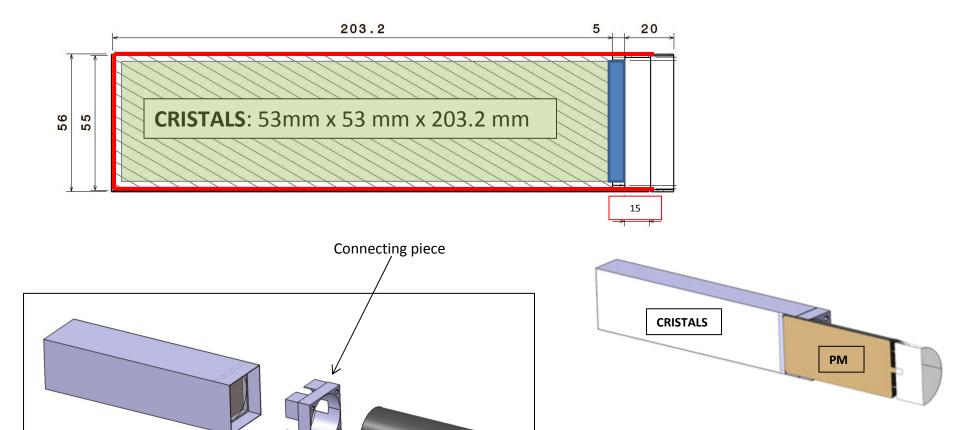
General design

Assembly

Prototype



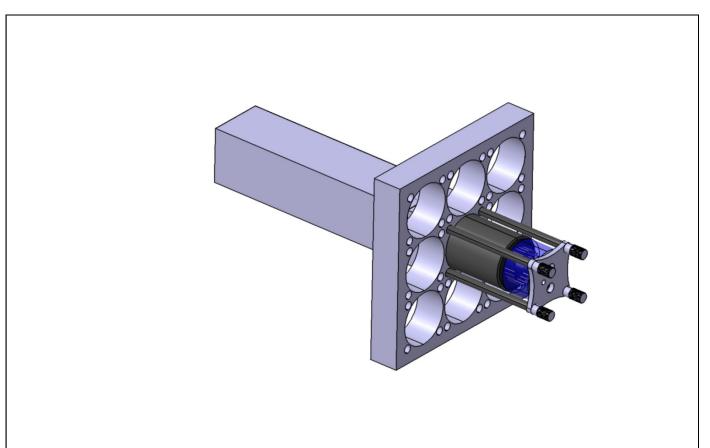
Single bloc mechanic

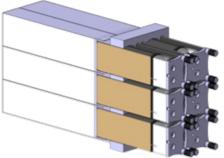




General design

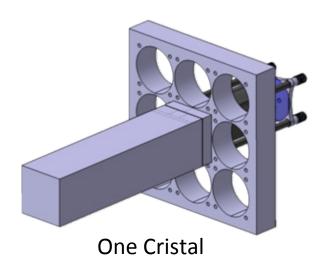
Cluster 3x3: Total mass= 30 kg

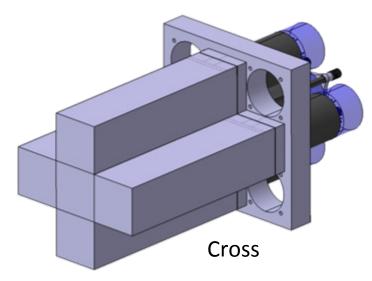


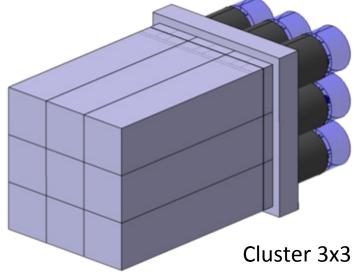


- 1. Insertion bloc
- 2. Fixation by screw
- 3. Plate to press on PM
- 4. Nuts to fix plate

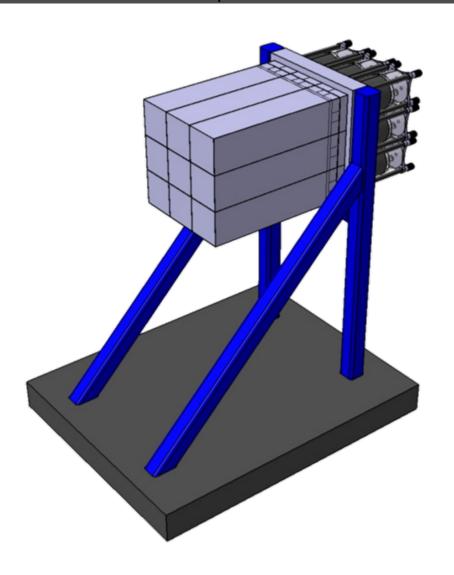


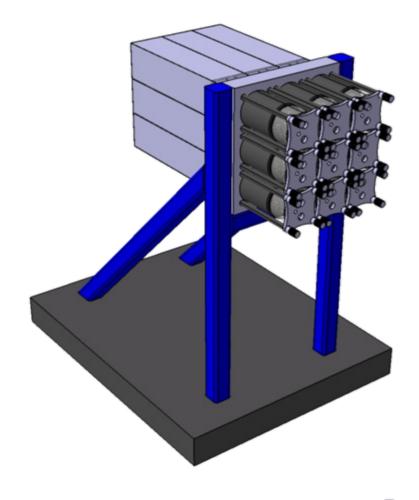






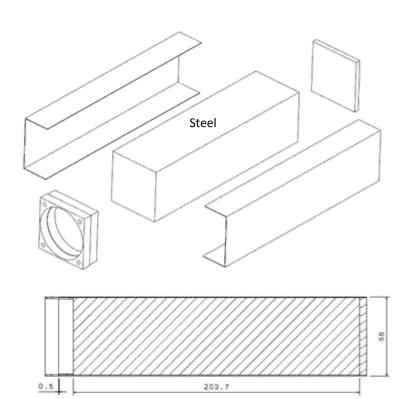






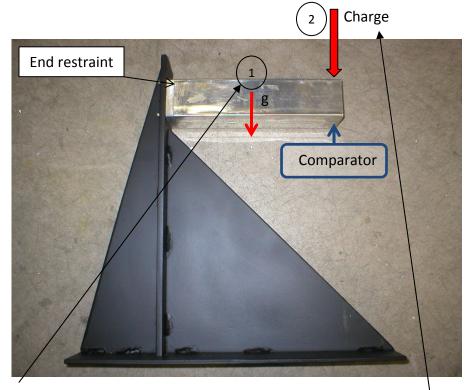


Single bloc mechanic General design Assembly **Prototype**



Thickness Al= 0.5 mm

Material: Steel (p= 7800 km/m³)



1- First test: Envelop with Steel bloc

Deformation: 0.05 mm

2- Second test: Envelop empty (force concentrated from the top)

Deformation: 0.1 mm

RIGIDITY IS GIVEN BY ALUMINIUM ENVELOP **NOT BY THE CRISTAL**

