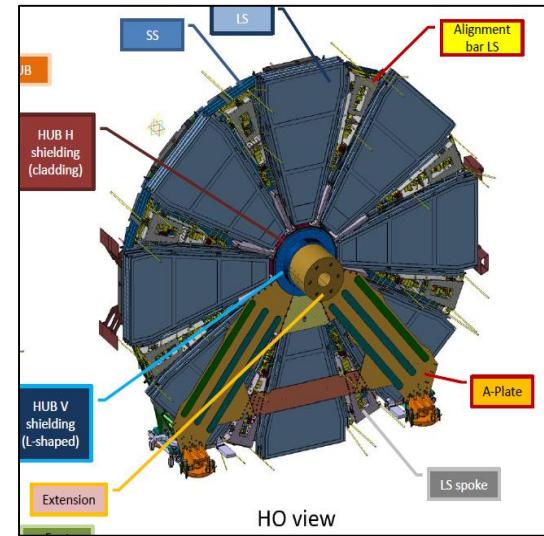


Organisation meeting on
QA/QC of (Saclay) Micromegas modules

- 0) (*the « 4 » QA/QC parts through*) vocabulaires/words used in the project
- 1) Metrological part (Julien/Philippe)
- 2) X-ray bench (Esther)
- 3) Cosmic bench (Esther/Samira)
- 4) data-base (Julien)
- 5) Possible organisation (Philippe/tous)

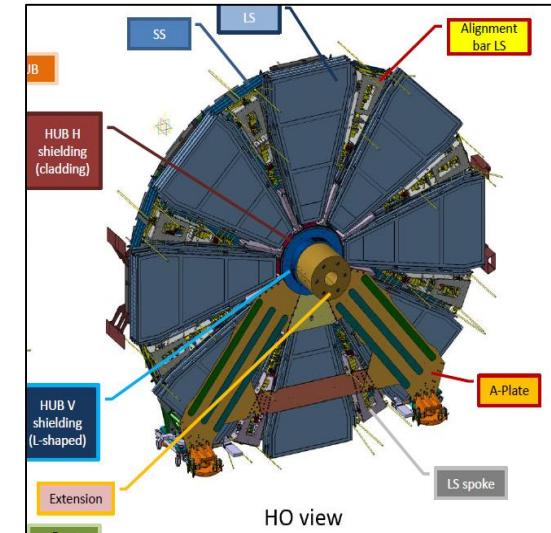
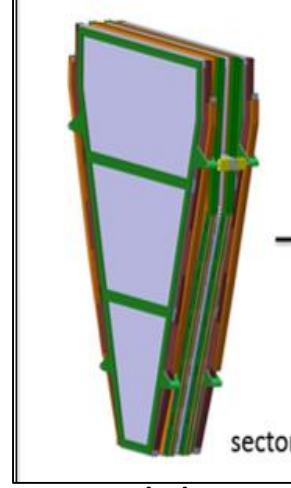
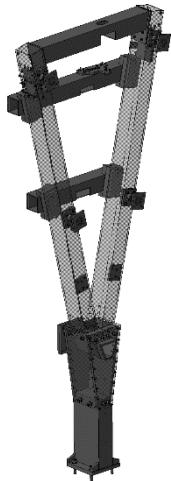
Words / vocabulaire

- Wheel 2x8 sectors
- Sector (small or large):
assembly of 2x2 MM and 2(x4) sTGC modules
- Spoke (NSW internal support of sector)
- Support frame / support commun
- MM modules : 4 Micromegas gap = 5 panels



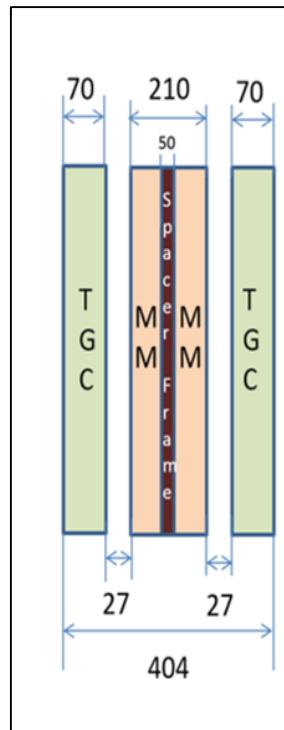
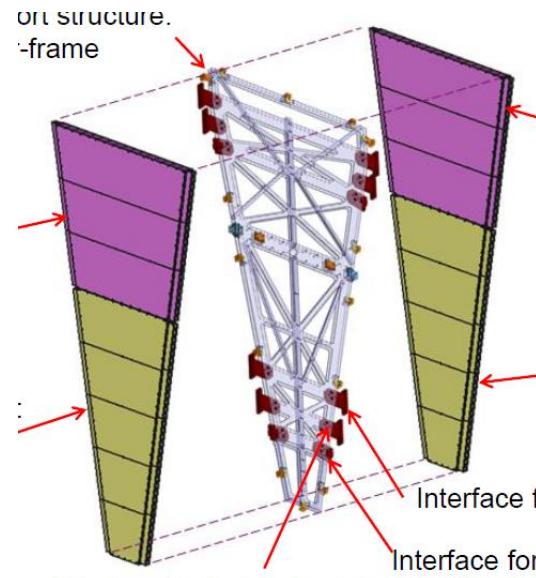
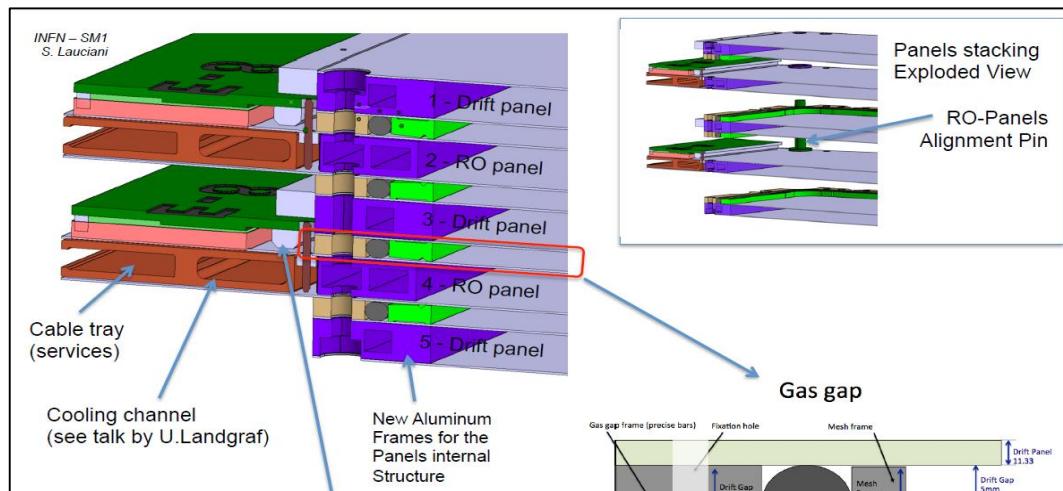
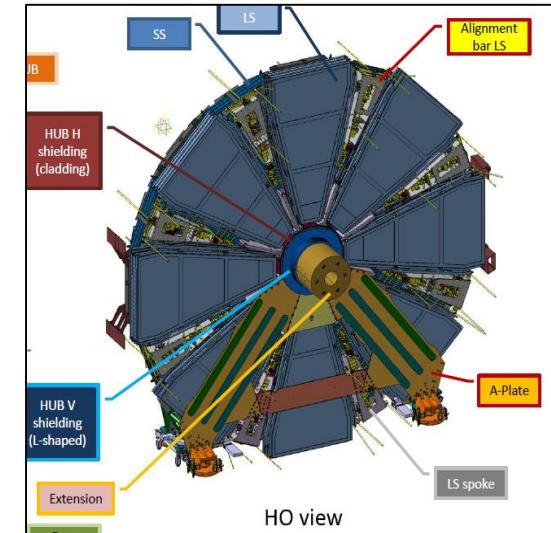
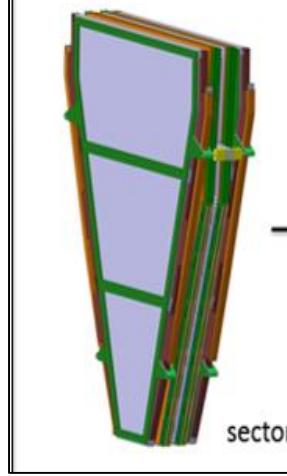
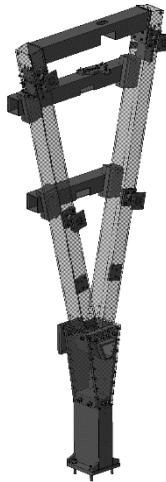
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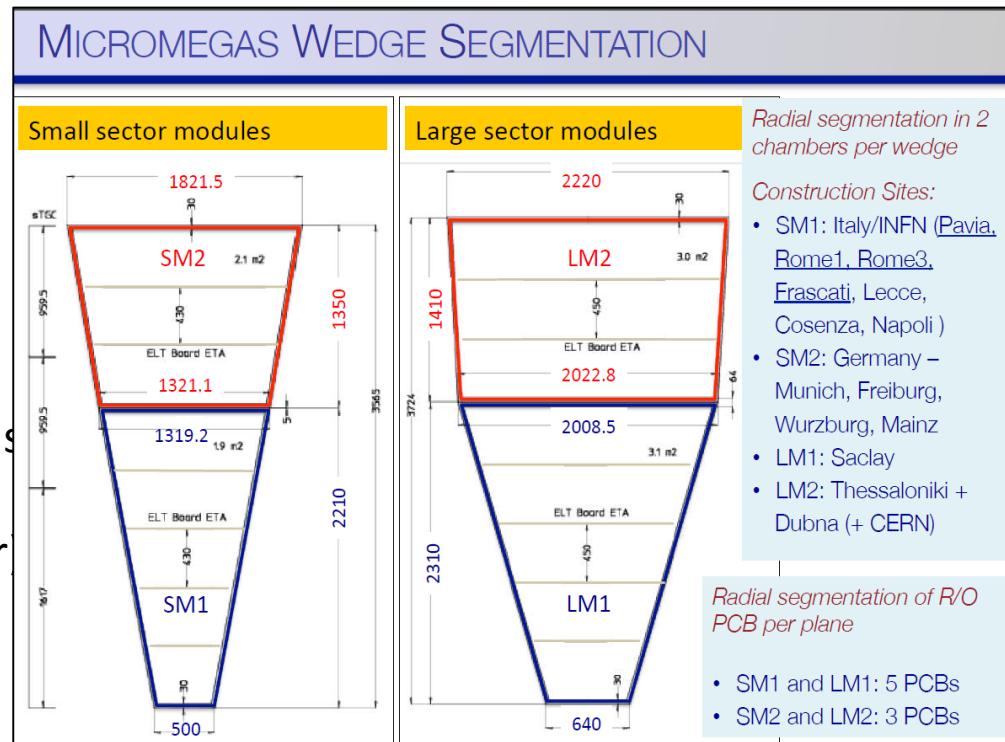


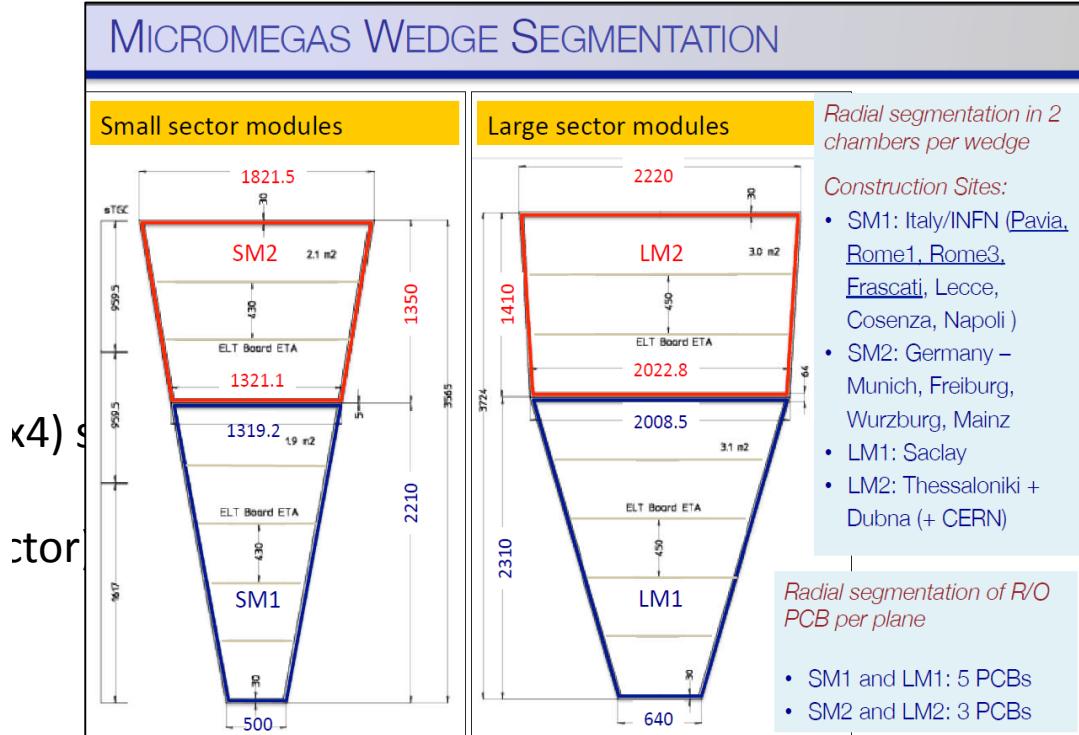
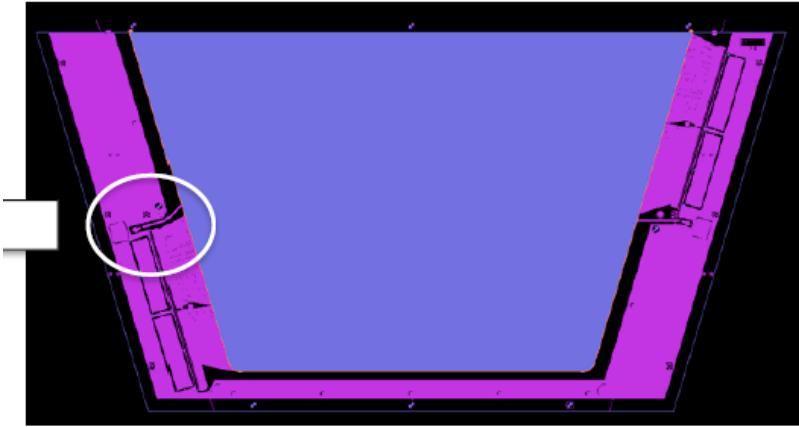
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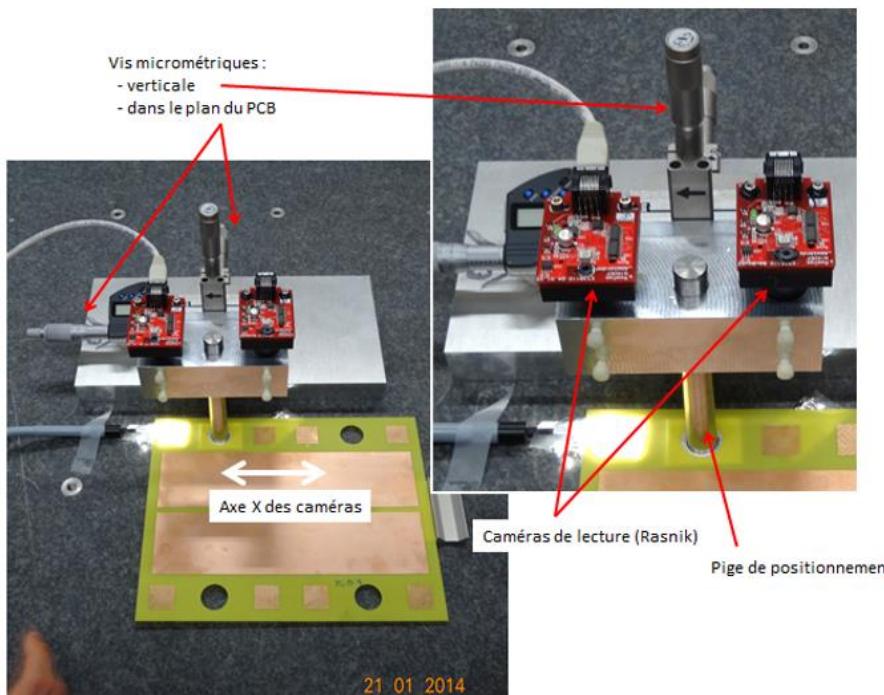
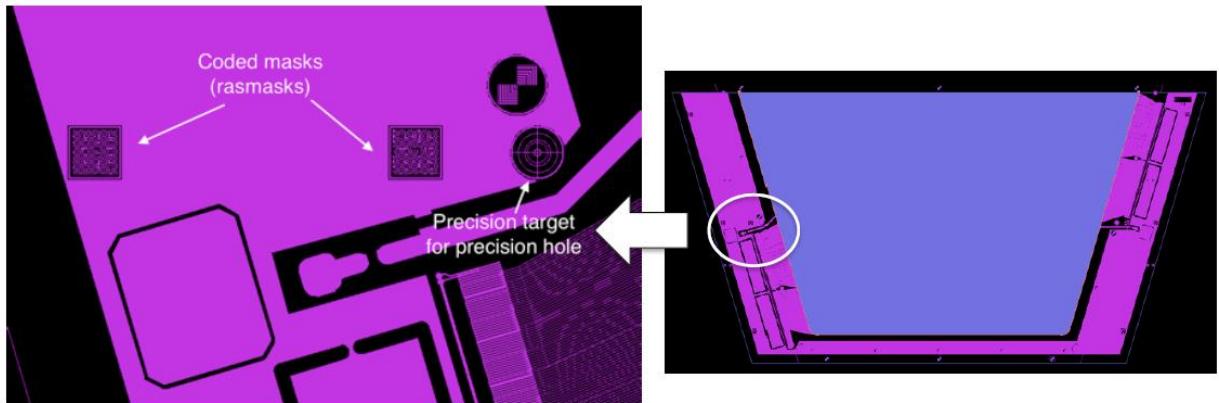


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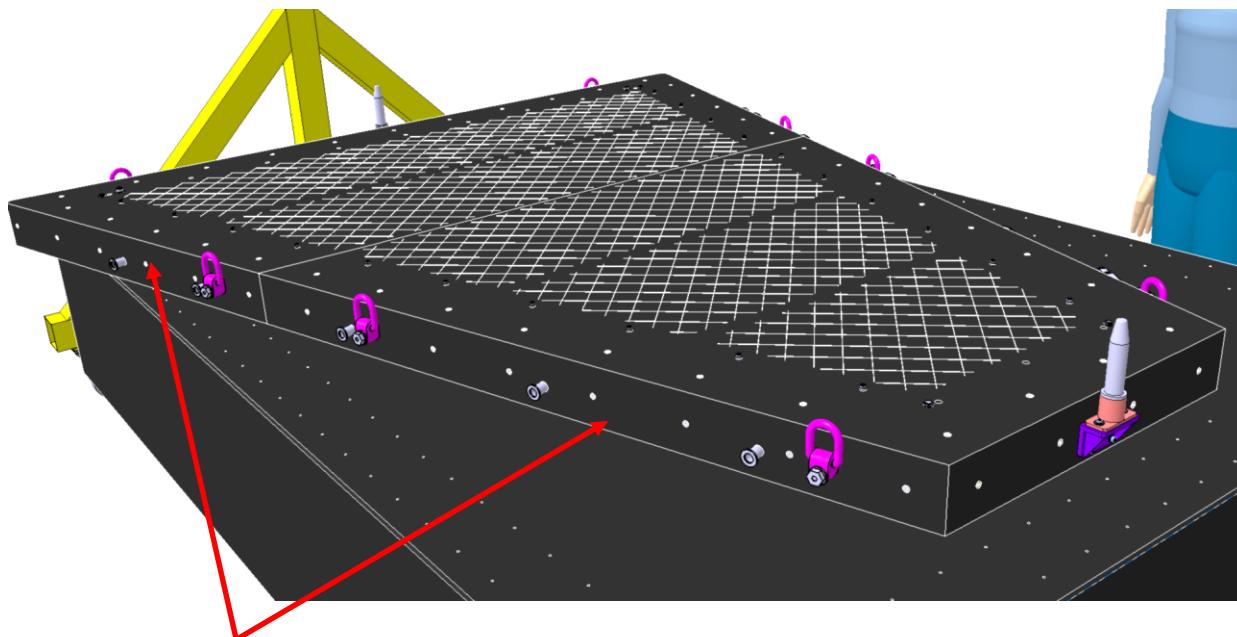
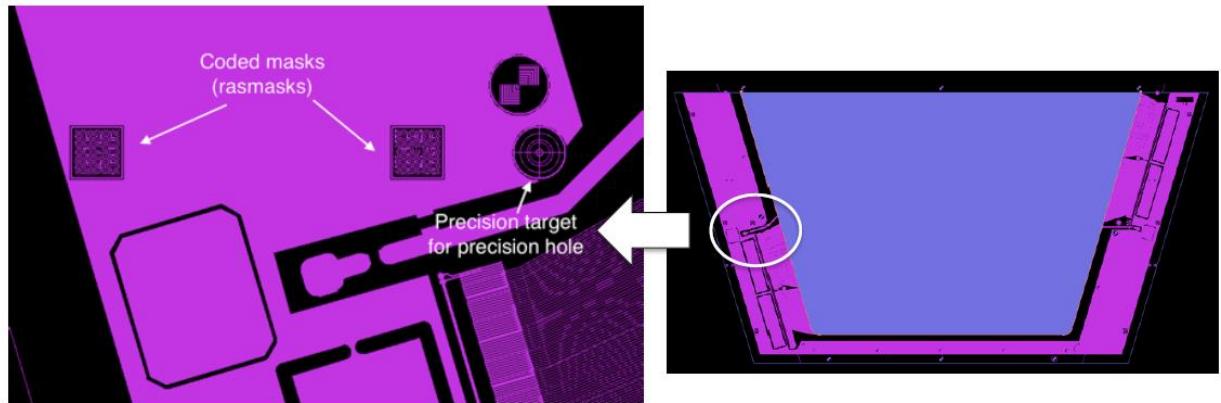
PRECISION:

- Structure en : (i) sandwich/**secteur**, (ii) **modules MM et sTGC** (iii) **quadri-plan** de détecteurs (\sim quelques m^2)
- Précisions « typiques » sur la connaissance de la forme de ces détecteurs :
 - $\sim 40 \mu m$ dans le plan détection
 - **$\sim 80-100 \mu m$ perpendiculairement au plan de dét.**
- Modules MM en **panneaux** faits de 5 PCBs / face (Saclay) ~jointifs positionnés de façon **absolus** par rapport à un repère mécanique externe (montage sur le « support-commun » à $\sim 200 \mu m$)

- Positionnement des PCB les uns par rapport aux autres sur dans un panneau
Cimblots / washers



- Positionnement des PCB les uns par rapport aux autres sur dans un panneau

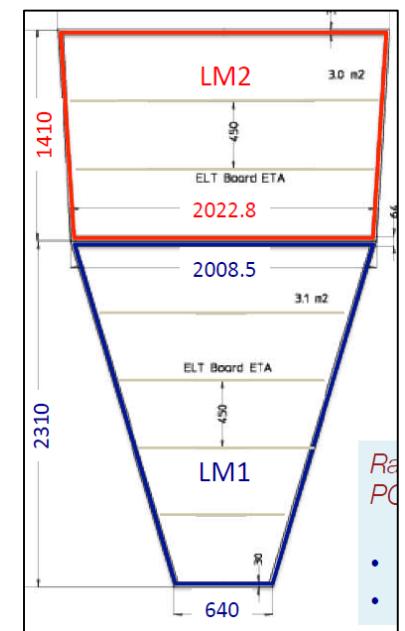
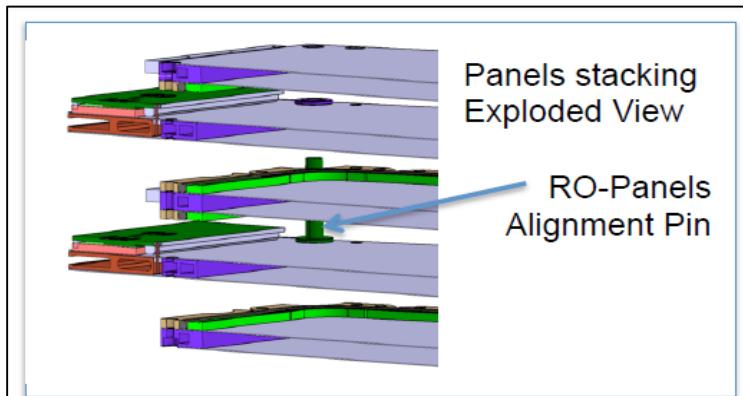
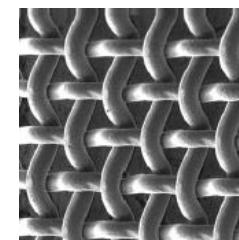


Granite reference area/sole (including a reference frame not yet ready) where PCB could be position precisely (+ sucking one by one).

etc...

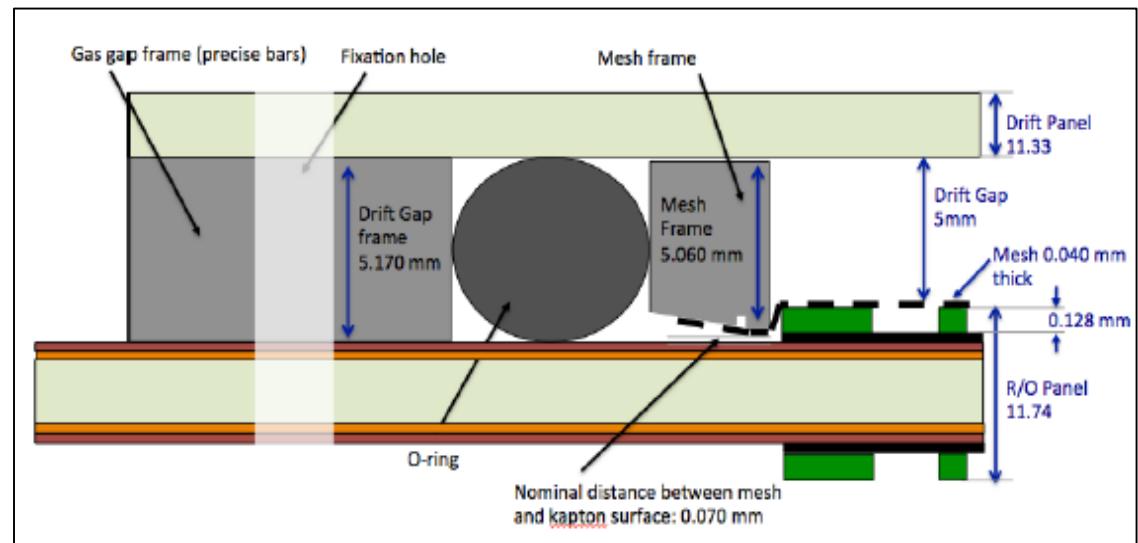
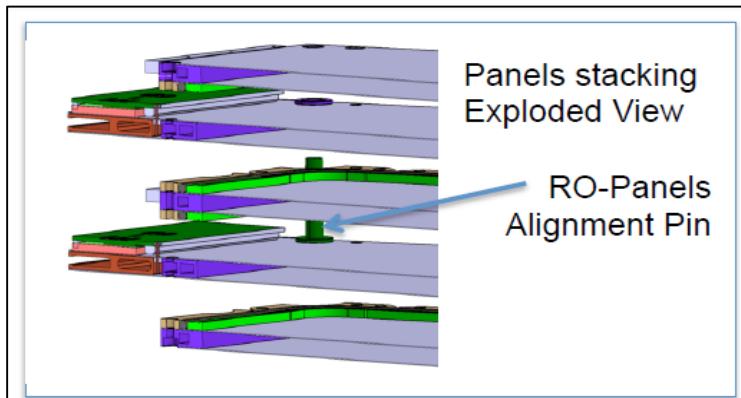


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- Frames: different types... some for:
 - surrounding the (inner part of a) panel
 - For supporting the mesh !



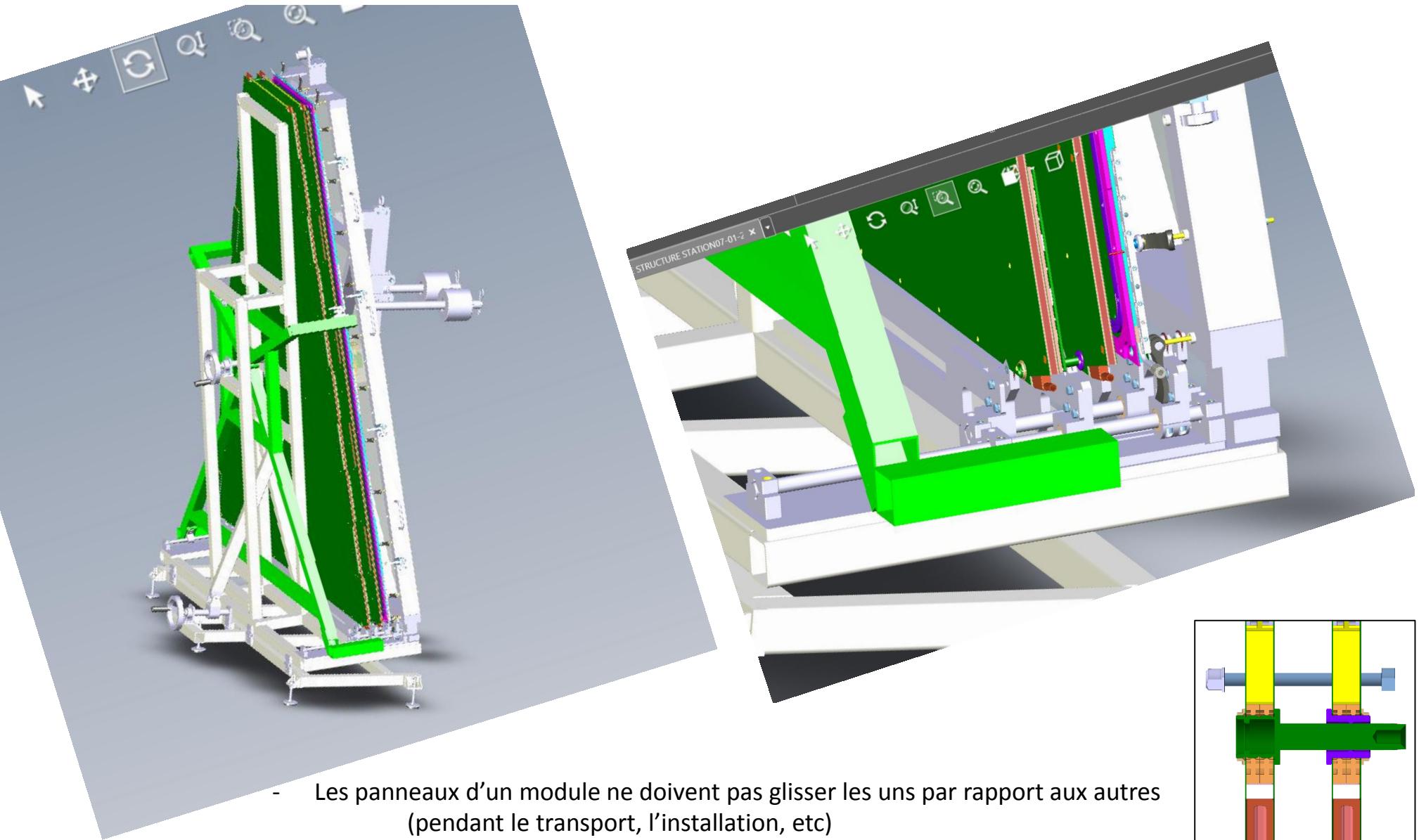
- Assembling a MM module : position precisely each readout w.r.t. each other

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- Assembling a MM module : position precisely each readout w.r.t. each other

- plateforme/chariot de montage des panneaux (readout + drift avec mesh) en un module
(en conservant la précision des positions des PCB les uns par rapport aux autres...)



- Les panneaux d'un module ne doivent pas glisser les uns par rapport aux autres
(pendant le transport, l'installation, etc)
- Le module doit être démontable et... remontable ! (réparation avant installation)

