Neutral Filters & WLS: status report of the FD2 preproduction

PhCollector WG Meeting C.M. Cattadori 22 October 2024

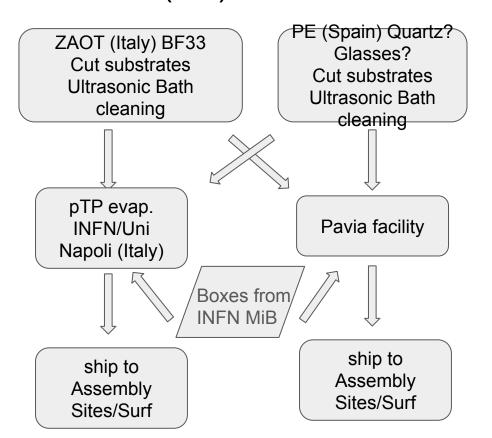
Status of preproduction at ZAOT





545 units of x BF33 substrates for FD2 proeproduction Ready to be shipped at the coating faicilities (Campinas, Napoli, Pavia)

Substrates (NF) /DF Production

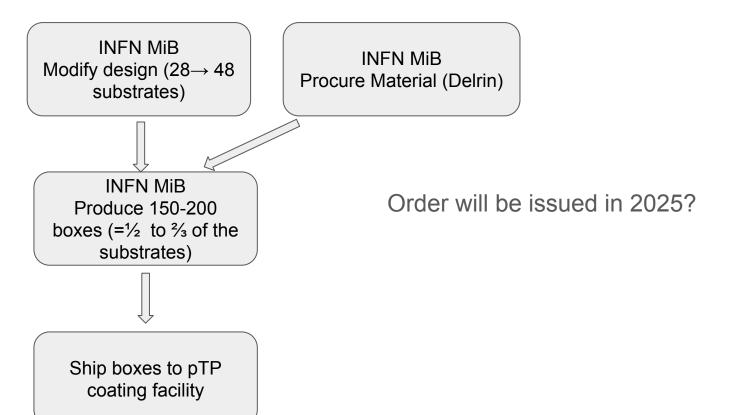


Quartz OK for pTP stability?
Alternatively Which glass type?

When the Italy-based facilities will be operative?



Auxiliary workflows: Glass Substrates Transport Boxes



Readiness of glass substrates auxiliary HW & procedures

- 1. Substrates cleaning a@ ZAOT validated by CBs & M0 & M1 batches
- Substrates cleaning @ PE: Status?
- 3. Substrates Shipment:
 - a. ZAOT: 24 units in onion paper
 - b. PE: ??
- 4. Transport Boxes at MiB
 - ✓ pdesign and production validated in the framework of the DF/NF substrates shipment in 2023 and 2024
 - ✓ The design has been distributed and shared with: Campinas, Valencia, Madrid (?)
 - ✓ cleaning validated
 - ✓ lining with soft material validated
 - boxes packaging for shipment in cardboard validated (cardboard type, number of boxes inside one cardboard, how to arrange the boxes, packaging material)
 - ✓ purchase of boxes material & production: not yet started
- 5. How to open the boxes at the Assembly Sites
- 6. Specs for the pTP evaporated NF/DF (? Still an issues? Maybe not)
- 7. Assembly
 - a. verify availability at SURF of a clean environment devoted to stock and assemble NF/DF integration into the XA-MC



- Avoid use of improper boxes
- comb ranking structure not good
- missing soft material below above glasses
- parcel not properly
 packaged





WLS: Status of preproduction

- ◆ Design, thickness and tolerances have been finally defined with the green light of the mechanical team: 607 x 607 x 5.7 mm³, tolerances 0.3 mm
- Order of 36 units has been issued
- Production will be within 2024
- Where and how to stock the preproduction t.b.d.
- Igroscopicity of PMMA is high, can absorb up to 30% in weight if kept in wet atmosphere. We should take care of this more than of dark environment
- Quality check procedures ready and delivered for the I&I meeting

