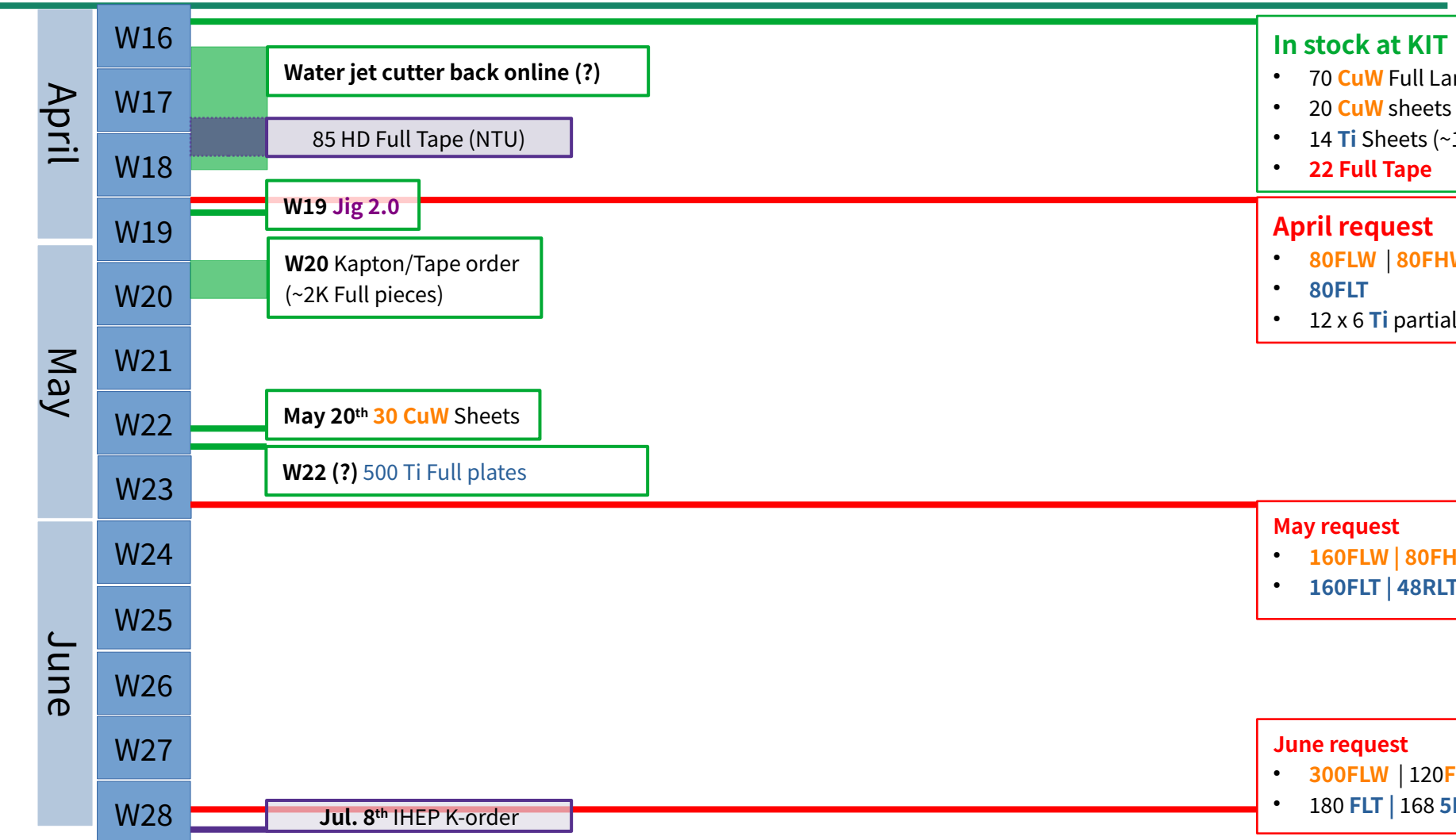
Production planning



Production planning

April: W16, W17, W18, W19

May: W20, W21, W22, W23

June: W24, W25, W26, W27, W28

Water jet cutter back online (?)

85 HD Full Tape (NTU)

W19 Jig 2.0

W20 Kapton/Tape order (~2K Full pieces)

May 20th 30 CuW Sheets

W22 (?) 500 Ti Full plates

Estimating maximum rate is ~40 plates/day with Jig 2.0, so there minimally will be a ~2-3 working day delay. (Would be lower depending on personnel training).

Jul. 8th IHEP K-order

April fulfillment will be bound by water jet cutter availability. Missing metal

- **30 CuW Fulls**
- **80 Ti Full/72 Ti Partials**

Remaining metal (May 1st)

- ~**75 CuW** Full plate equivalent sheet
- ~**10 Ti** Full plate equivalent sheet

Maximum 8 working days to:

- Cut~**170 CuW** Full plates
- Laminate **170 CuW** + **240 Ti** Plates

Remaining metal (June 1st)

- ~**0 CuW**
- ~**360** Ti Full plate

- Additional metal would be required to cover CuW HD requirements
- IIT needs to consistently deliver Ti partials

In stock at KIT

- 70 **CuW** Full Lam. 64 **CuW** Full bare
- 20 **CuW** sheets (~100 Full plates)
- 14 **Ti** Sheets (~140 Full plate)
- **22 Full Tape**

April request

- **80FLW | 80FHW**
- **80FLT**
- 12 x 6 **Ti** partials

Material deficit:

- ~**20 CuW** Full deficit
- ~No **Ti metal** for partials at KIT

May request

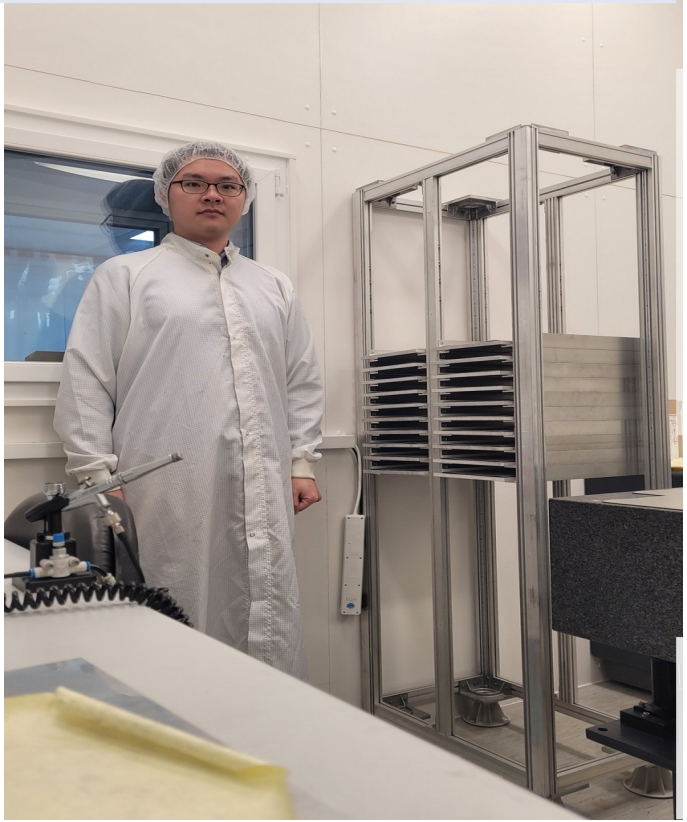
- **160FLW | 80FHW | ~~12RHW | 12LHW~~**
- **160FLT | 48RLT | 24 LLT | 12 THT**

June request

- **300FLW | 120FHW | 24 BHW**
- **180 FLT | 168 5LT**

Personnel training – Curing rack/shelf

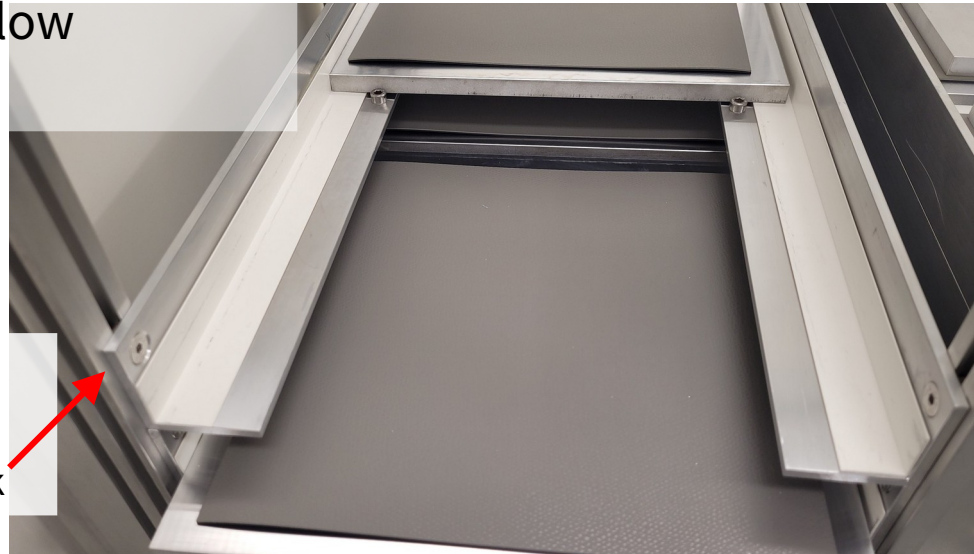
Curing rack is delivered!
(Postdoc. not included)



Shelf spacing determined by limited by hand working height

Currently only 40 shelves populated at “nominal” working height, more can be added after workflow accessment

Plastic sheathed shelf rails can be attached at arbitrary height on rack



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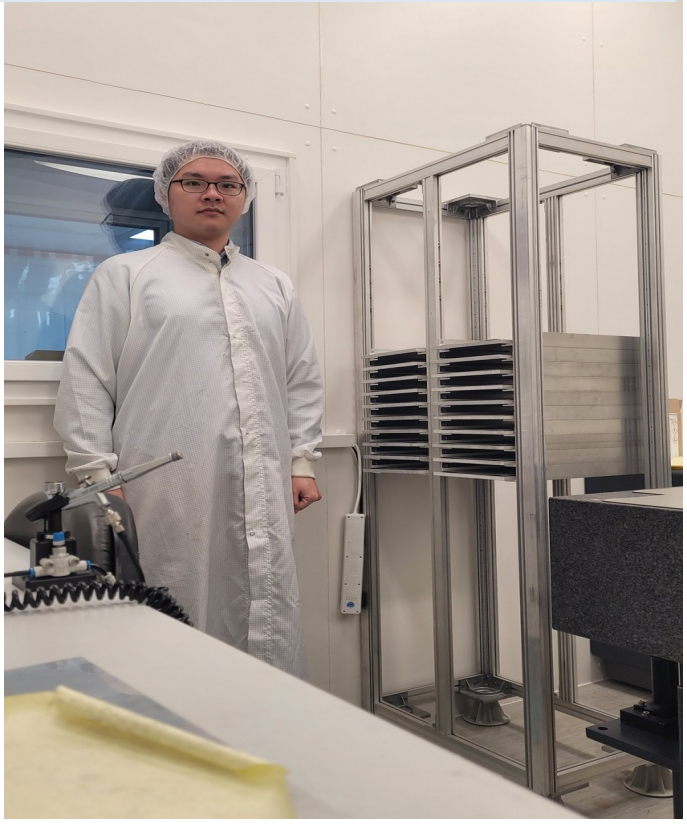
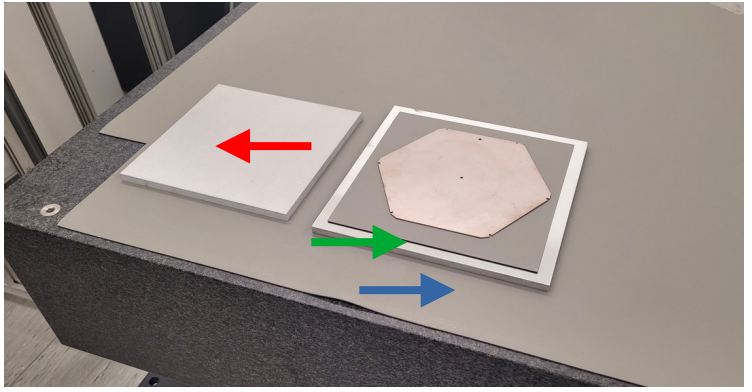


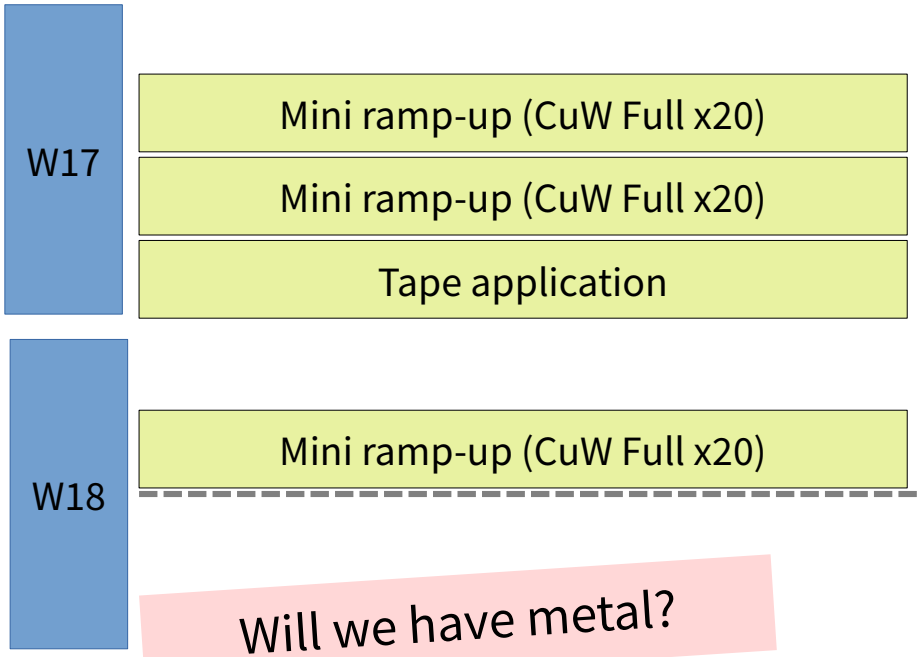
Shelf can be fully detached from the rack: no additional motion of Kapton-Baseplate is required after alignment



Shelf base: main support
Soft-matt: ensure metal-Kapton contact
Assembly
Curing weight: 1kg Aluminium block

Only 16 shelfs have curing weights
(water jet cutter is broken : (

Production planning for near future



- Mini ramp-up test with Obi/Yeongseo
  - half-day shifts, 2 consecutive days
- Survey effectiveness of new weights
- Main purpose is to see if there are any breaking changes with new workflow\
- Not the full capacity!! (24 in 1 half-day shifts)
  - Not enough weights (even with “old” weights)
  - Ease of tracking

Effectively exhaust current tallied Full plate material

- Can run partial production, but will not be very efficient because of Kapton availability.
- Good for new personnel training (more items to check!)
  - Gregor + Sven + Yaya
  - PhD students?