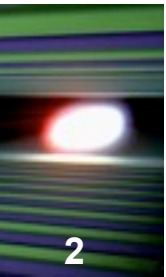




Introduction

Tobias Haas
Technical Meeting
17 February 2012

Homework from last time



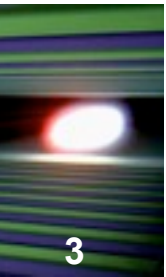
■ DAQ and Control needs

- 2 Mar: From the lists worked out by C. Youngman a conceptual floor plan for placing the racks in SPB will be made.
 - Work on this starting next week (THa/CY)
- 2 Mar: A list similar to the one made by C. Youngman and A. Mancuso for SPB will be made for FXE

■ Labs in XHQ

- Two working groups will further specify common labs
- Lab responsables produce a short description of what will be done in their labs
- The common labs planned by WP79 have to be specified.
 - see status

Lab Requirements Status (C. Schulz)



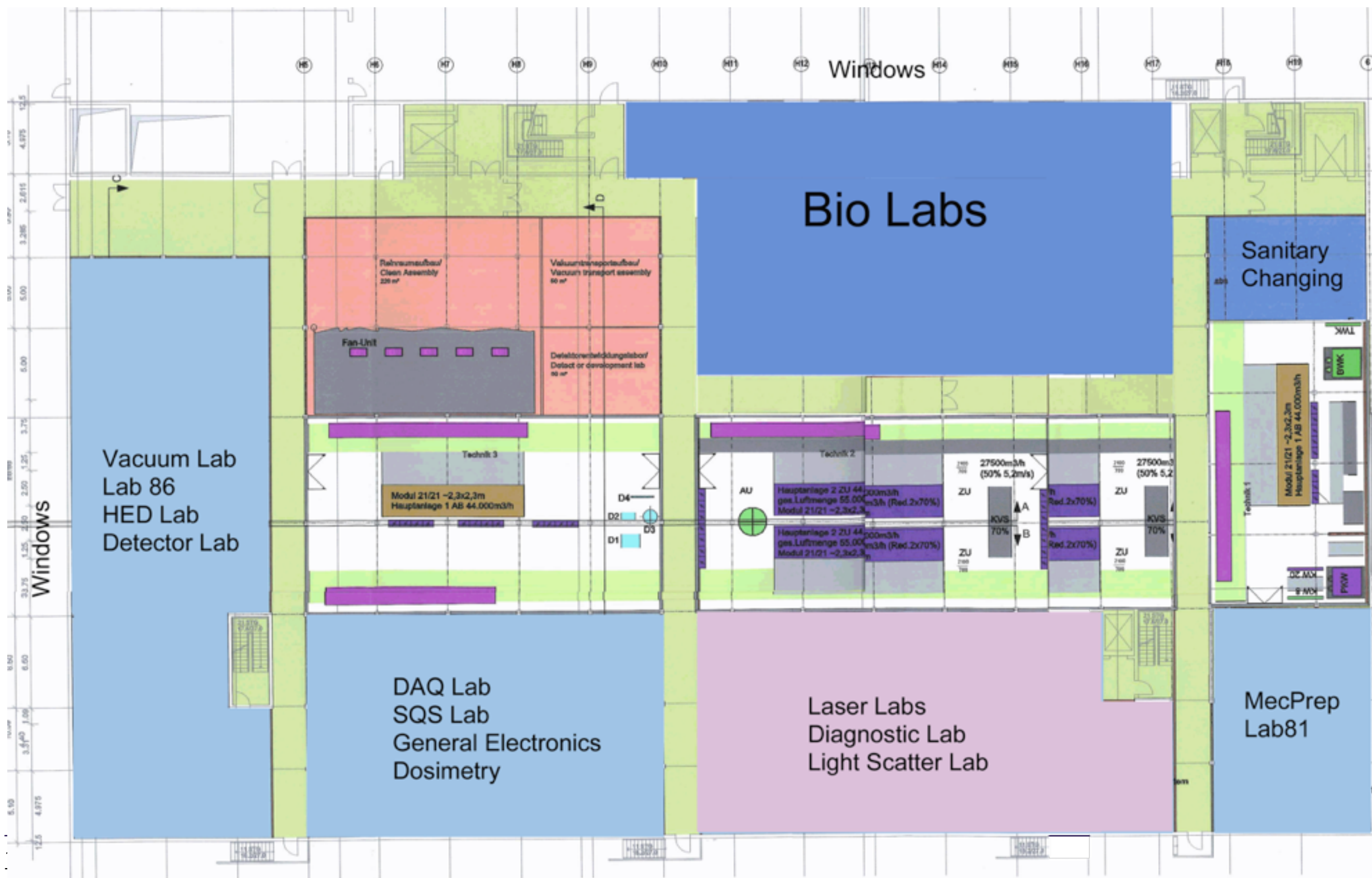
■ Done

- Laser labs (Lederer/Bressler/Meyer)
- DAQ lab (Youngman)
- Cleanrooms, Detector lab, Electronics lab, Storage of dangerous goods (Kuster)
- Vacuum (Dommach)
- WP81 (Bressler)
- Common Sample Prep labs (Schulz)

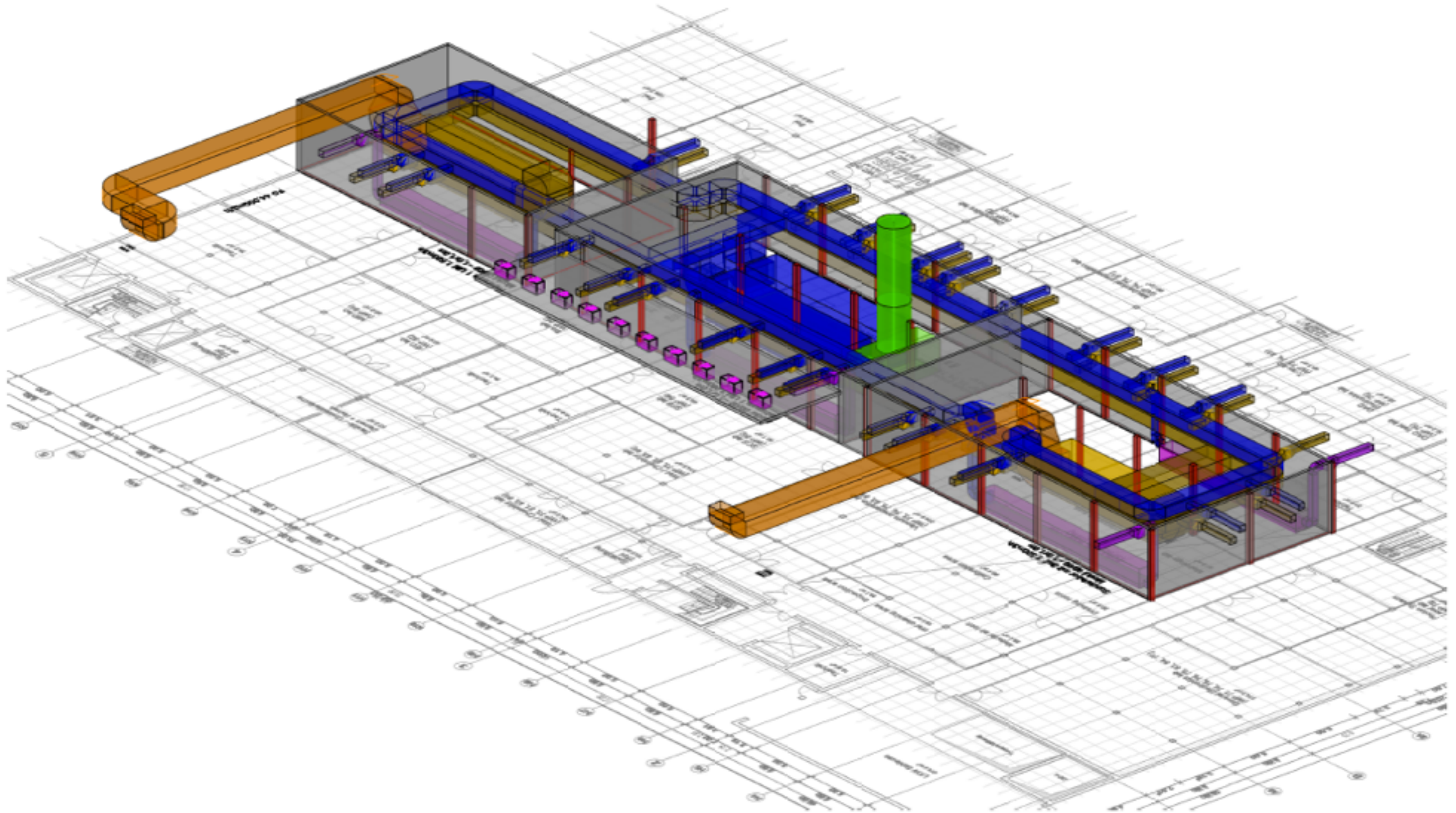
■ Open

- MechPrep, Diagnostics (Grünert)
- Light Scatter lab (Madsen)
- Place holder labs (WP82, WP86)
- Dosimetry

New floor layout (rough)



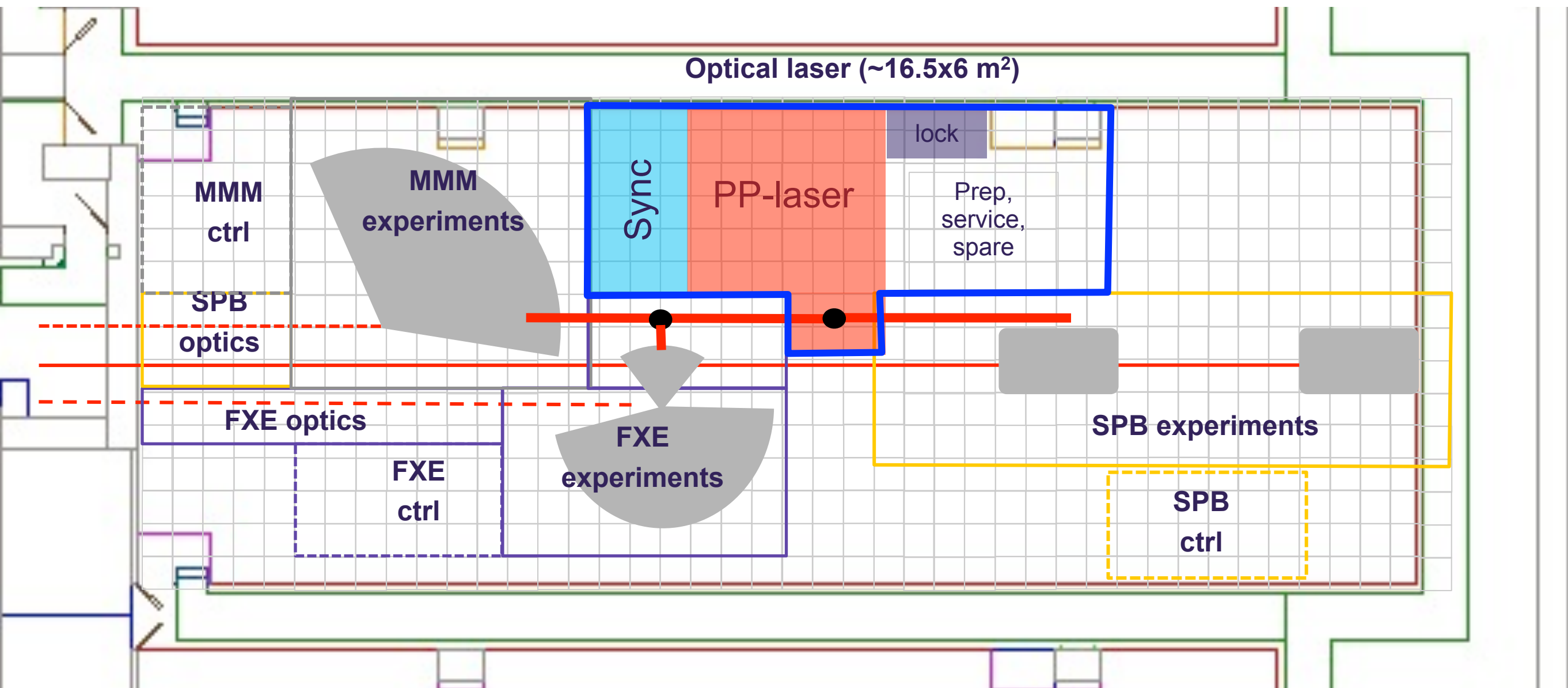
TGA first sketch



Conceptual floor plan for SASE 1 instruments

1

(work in progress, MMM= 80-90 m², FXE= 87.5 m², SPB= 95 m²)

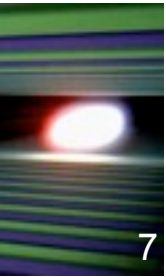


Some numbers (boxes 1x1 m²)

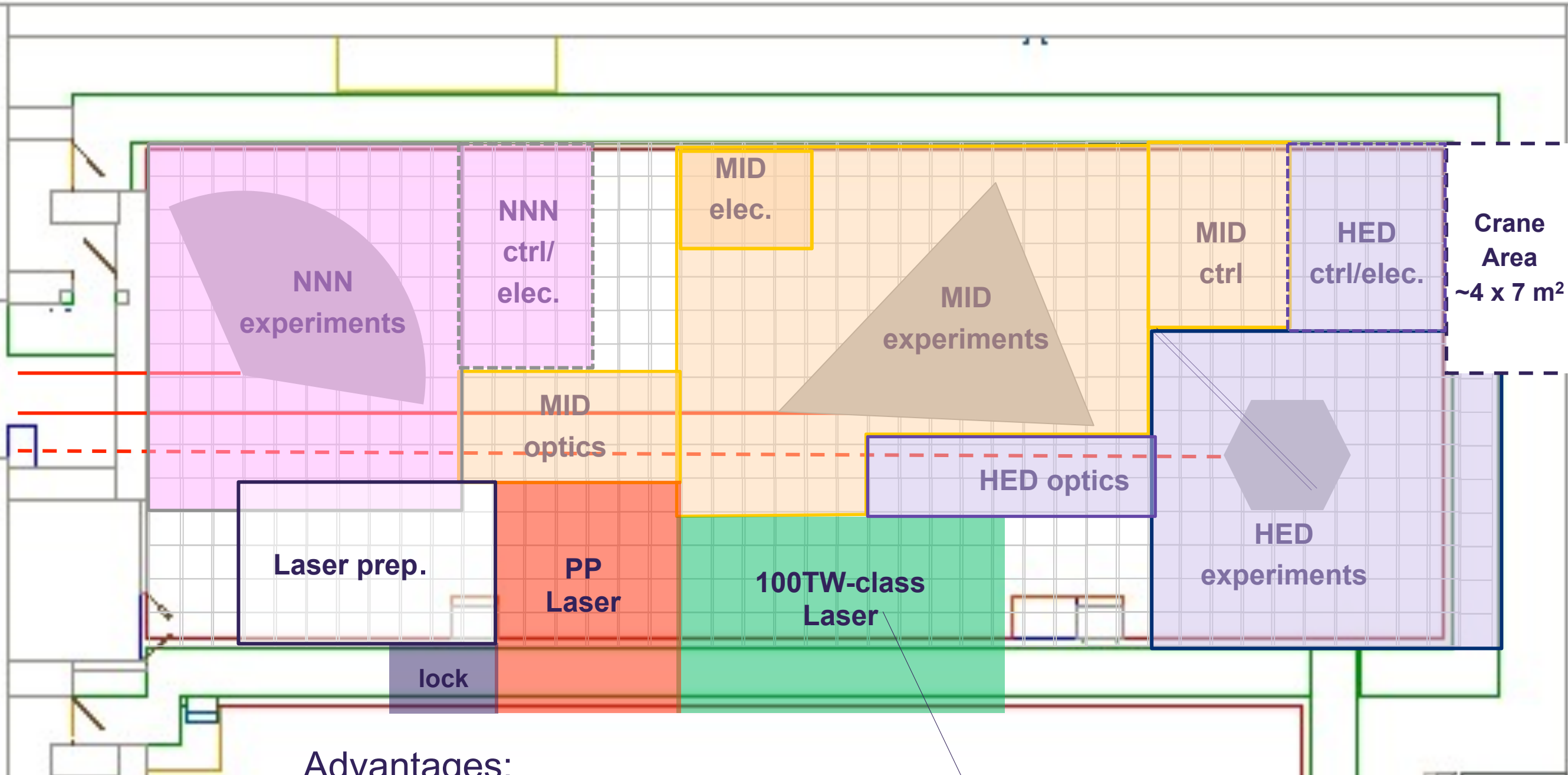
- Total SASE 1 floor space: ~43x15 m² (2 x 1.4 m separation of incoming x-ray beams)
- Control: 4x6m², Electronics: 4x2 m², optics: beam 50 cm from wall, 0.1 m x-ray wall t.)

Conceptual floor plan for SASE 2 instruments

(rough outline as of Jan 5, 2012)



7

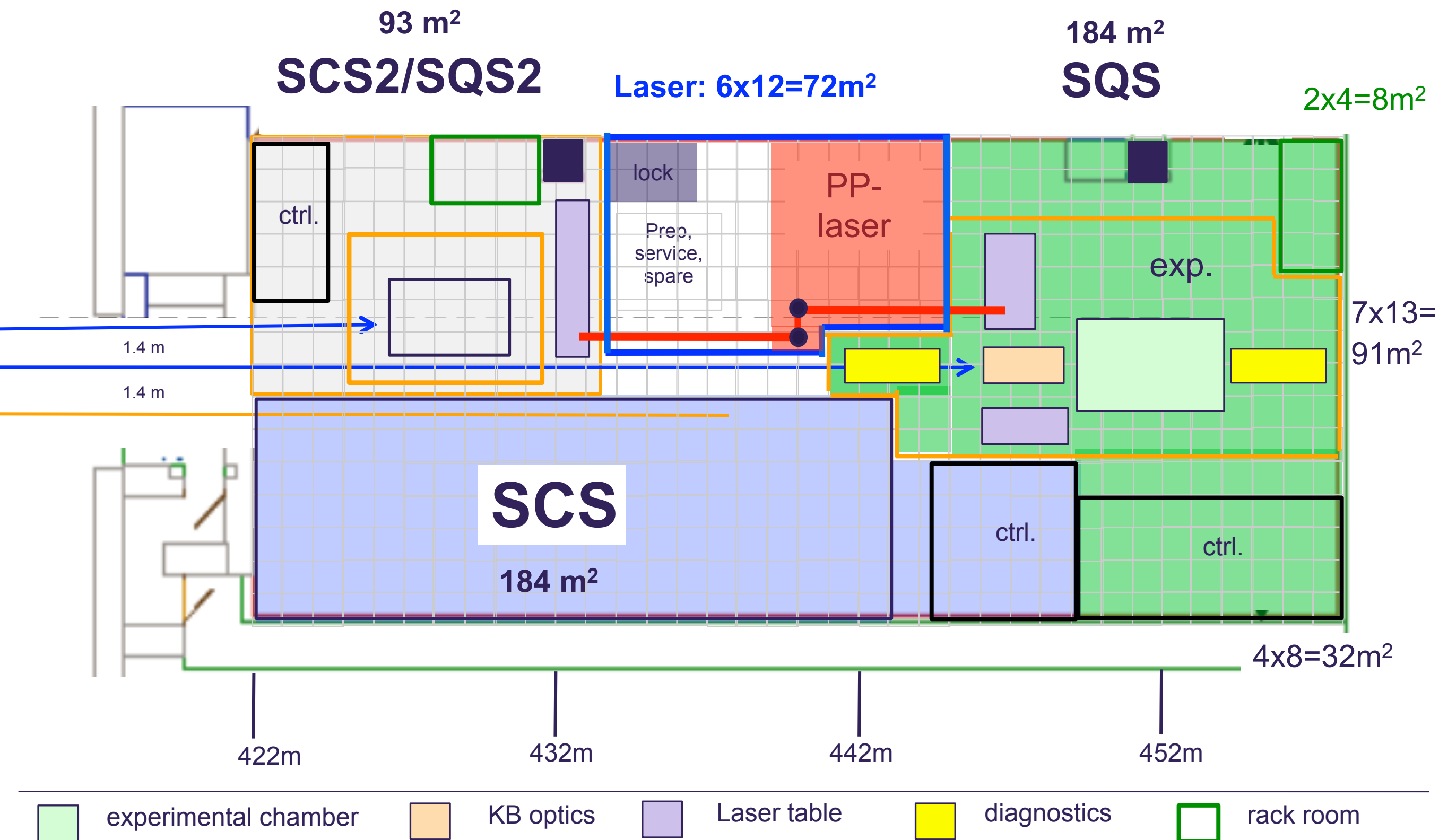


Advantages:

Access to HED & MID optics ensured
No invasion of neighbor "U" area
Almost space filling at SASE-2



Total: $15 \times 36 = 540 \text{ m}^2$

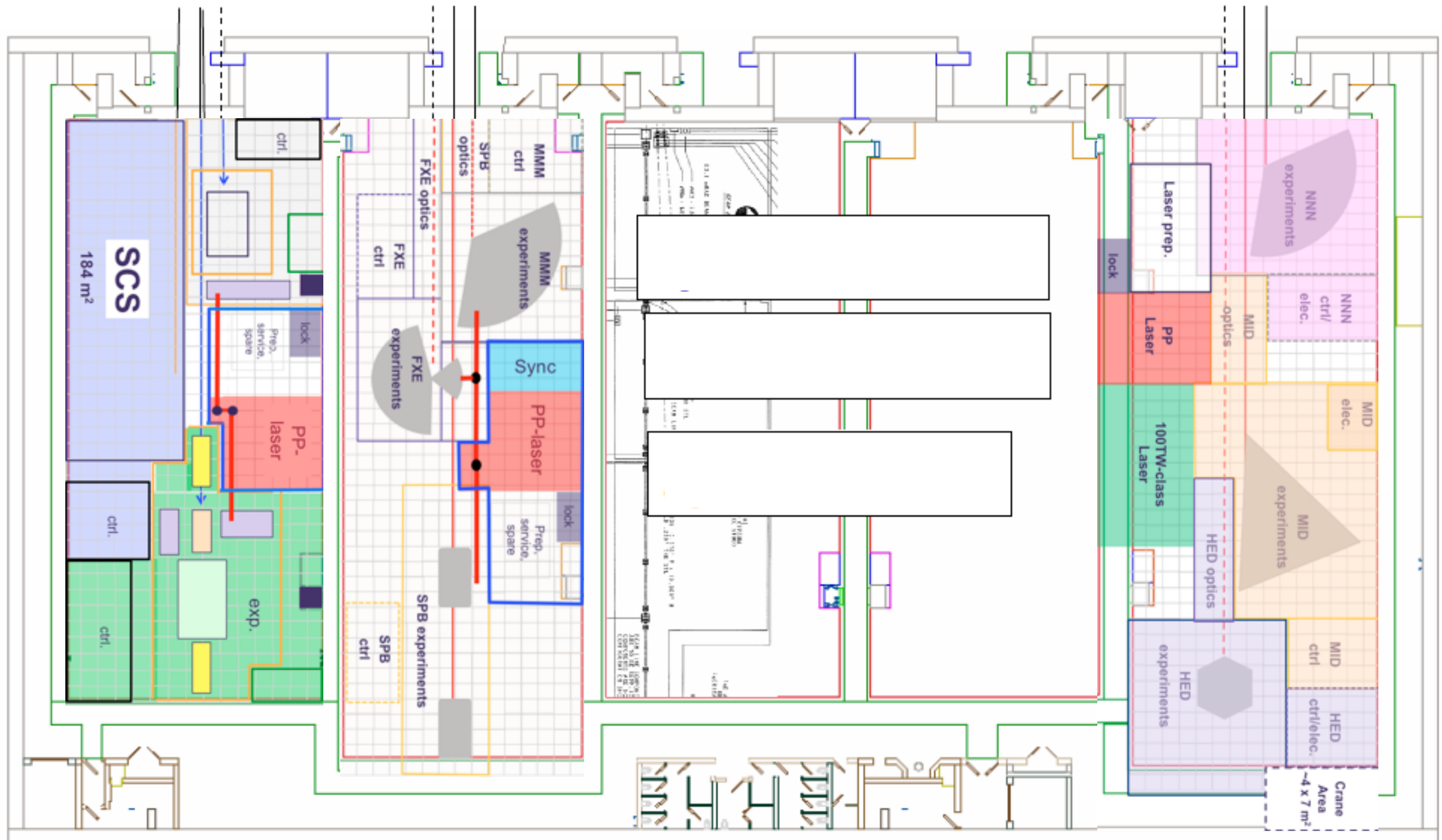


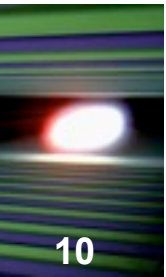
Experimental Hall

SASE3

SASE1

SASE2





- Produce first 3D model
 - Engineering student starts next week
- Where do we need what temperature requirements on the hall floor
 - First results by 2 March