

CAD of the new IP setup

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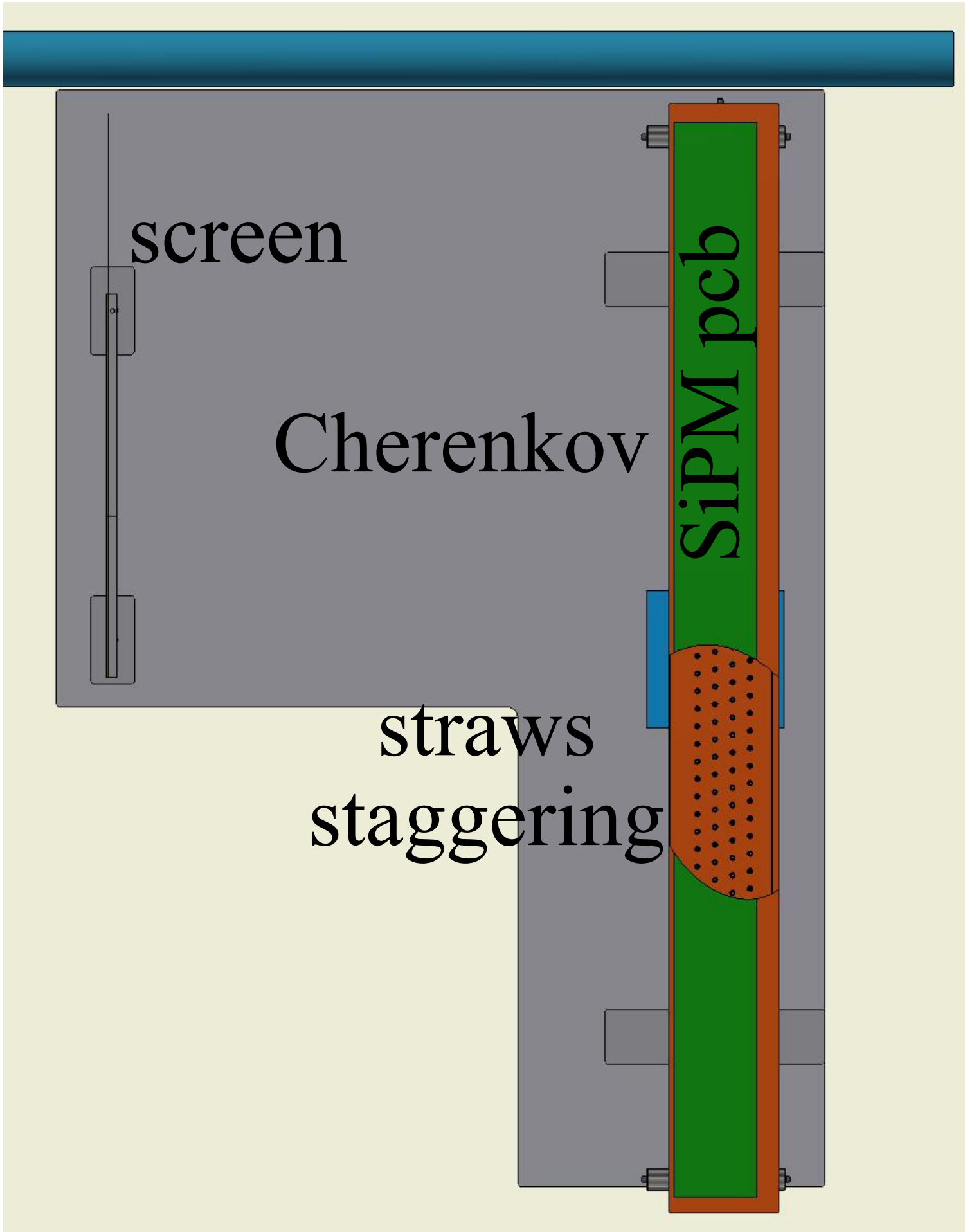
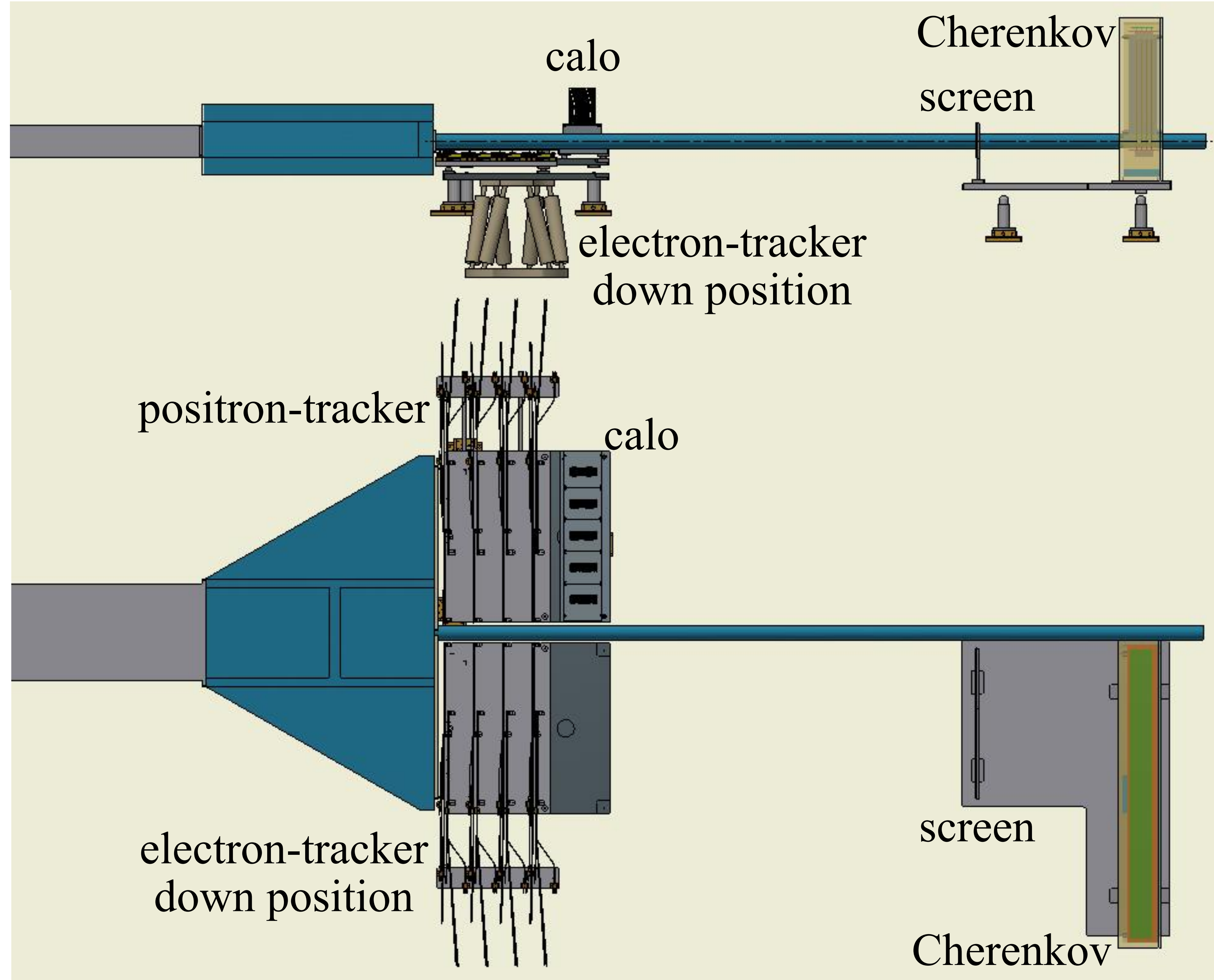


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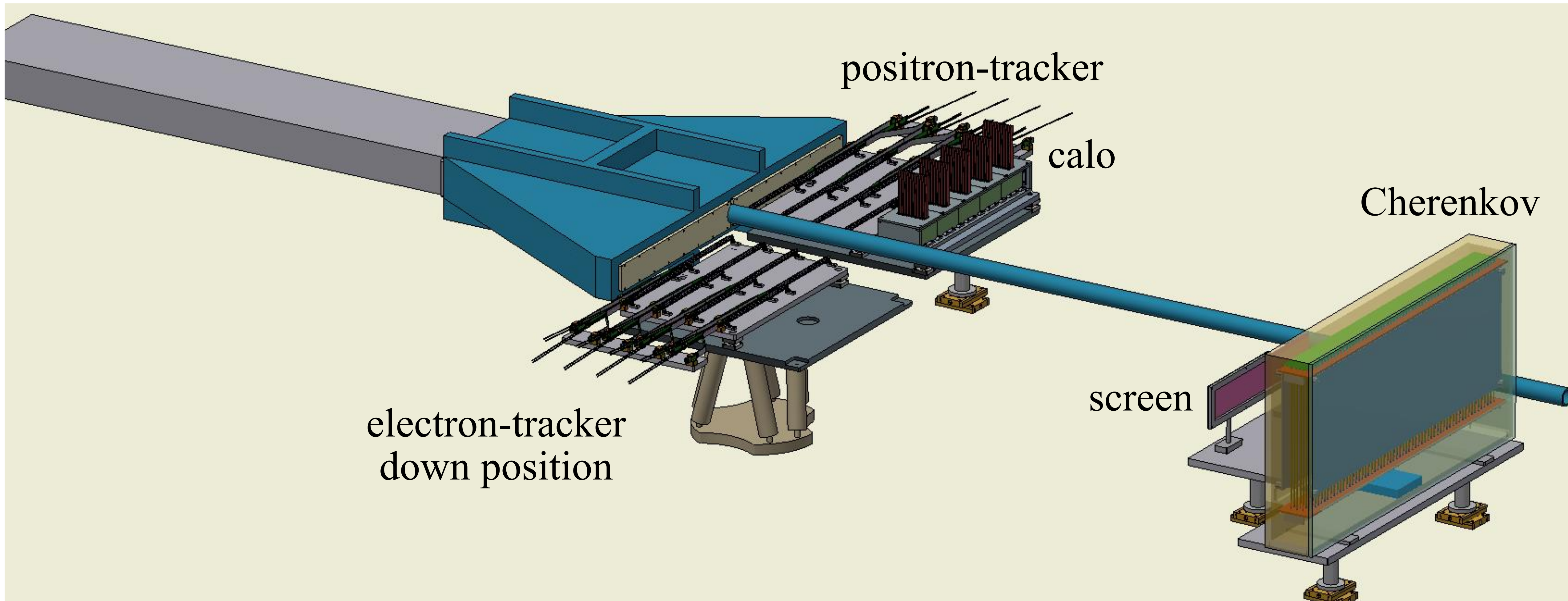
Intro

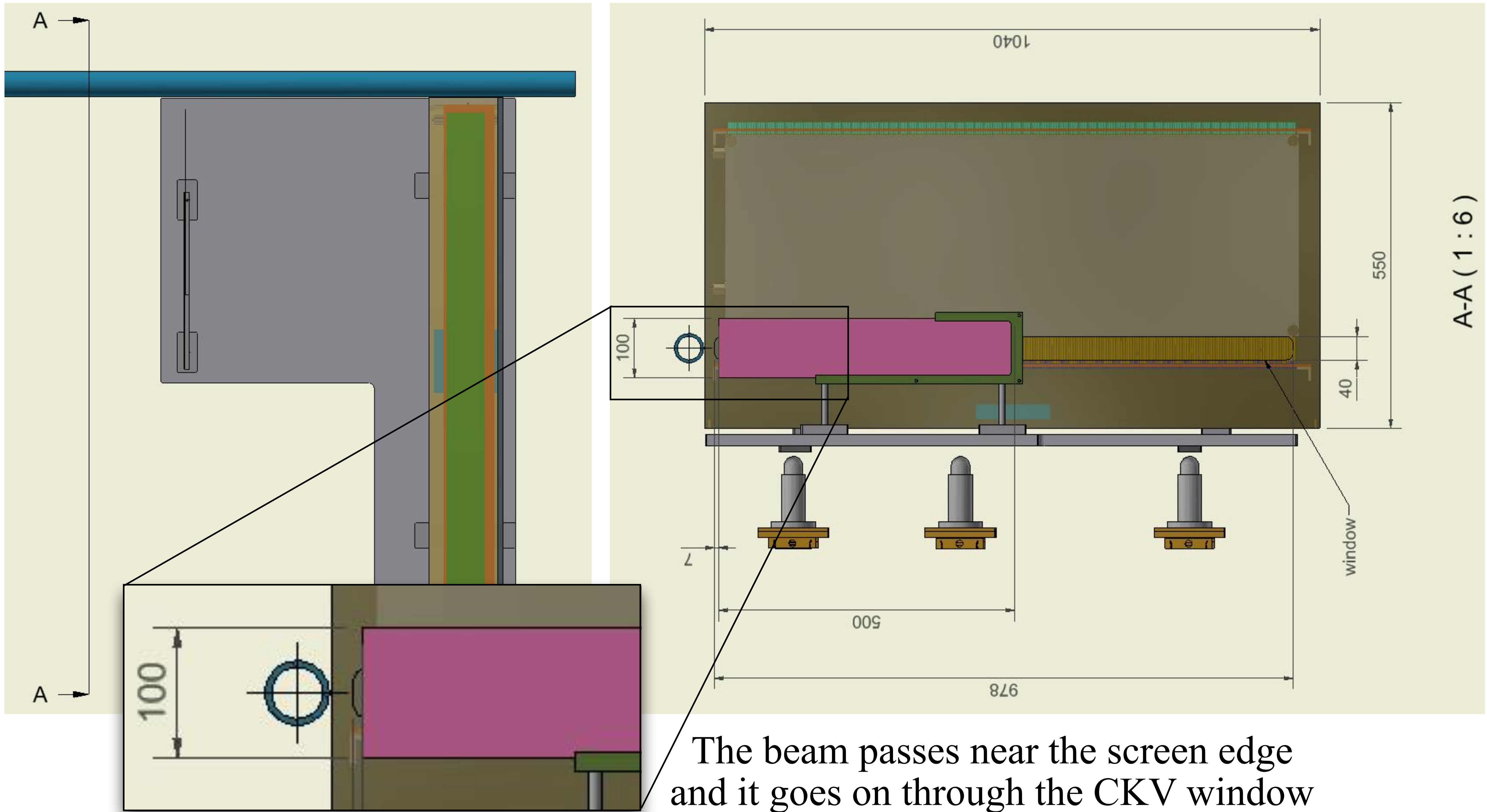
- ◉ Added the electron tracker on a hexapod
- ◉ Got CAD drawings of the new Cherenkov from Louis and Ruth
- ◉ Got some conceptual drawings and dimensions of the screen from John
- ◉ Implemented in one model with the correct distances
 - ◉ need to confirm after the 1st round of GEANT4 production
- ◉ Assuming now that the length of the Cherenkov in the x-axis can be large
 - ◉ mechanically it isn't a problem
 - ◉ “just” need more straws (easy?) and 2x(~50 cm) SiPM pcbs
 - ◉ can scale it down easily at any point after deciding what is the desired acceptance
- ◉ Added shielding to cover the part of the straws which is not “in” the signal plane
- ◉ Assuming we need to be able to move the entire structure in 3 dimensions (like the tracker and calo)

Overview



Overview





Gas-tight Aluminium casing

