

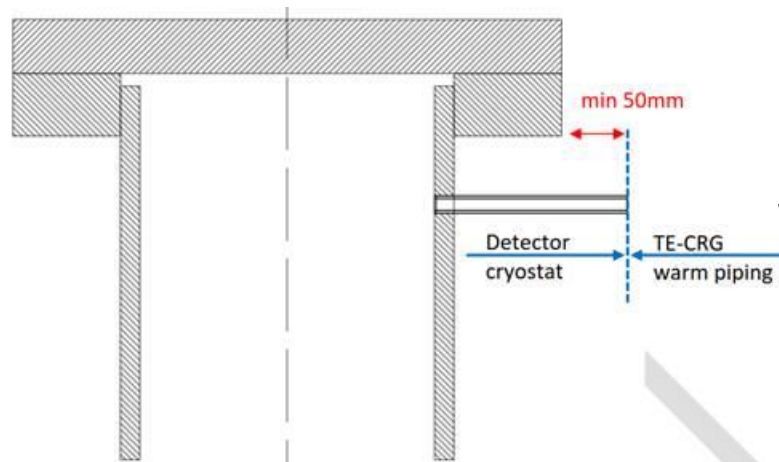
# Update on Cathode

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**ETH** zürich

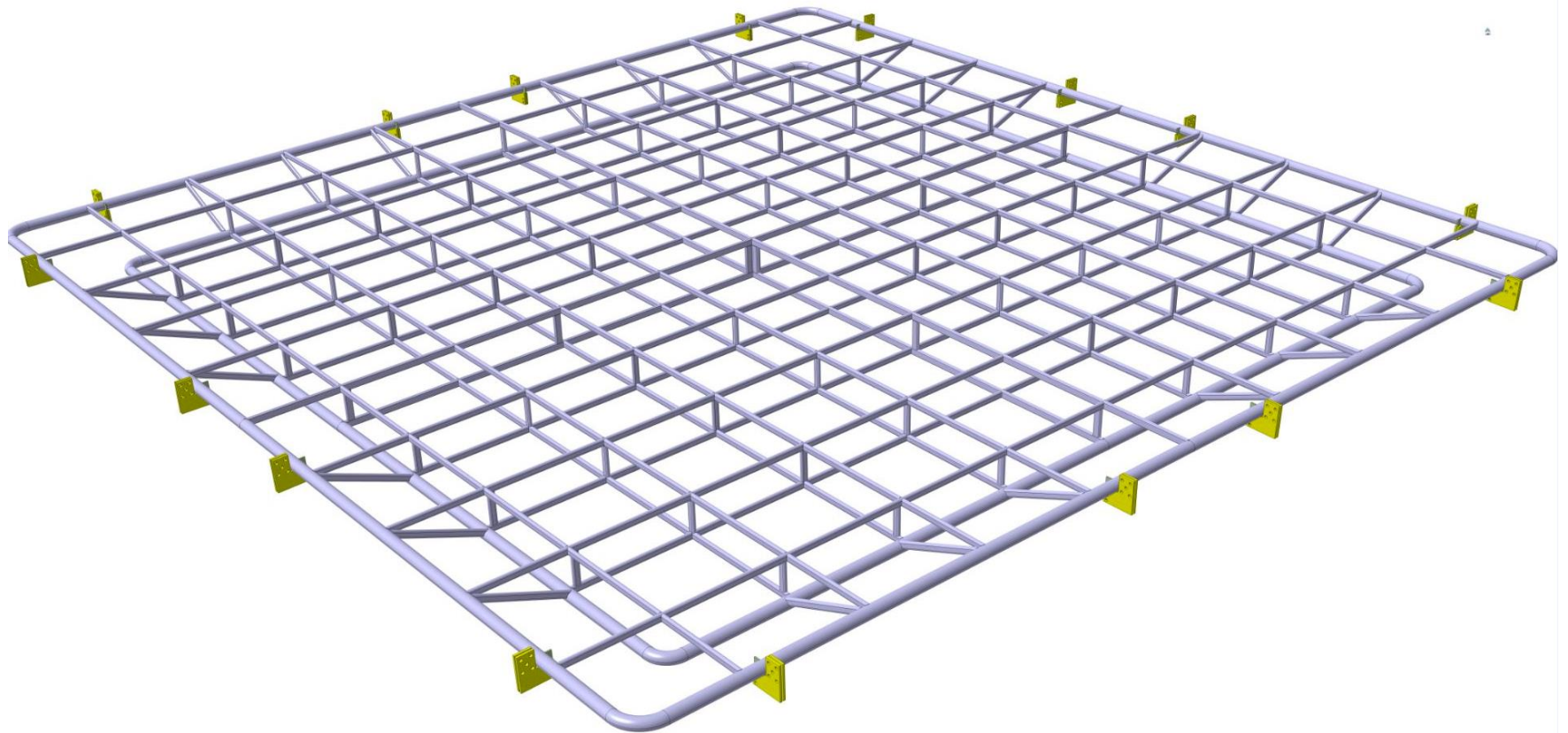
19.07.2017

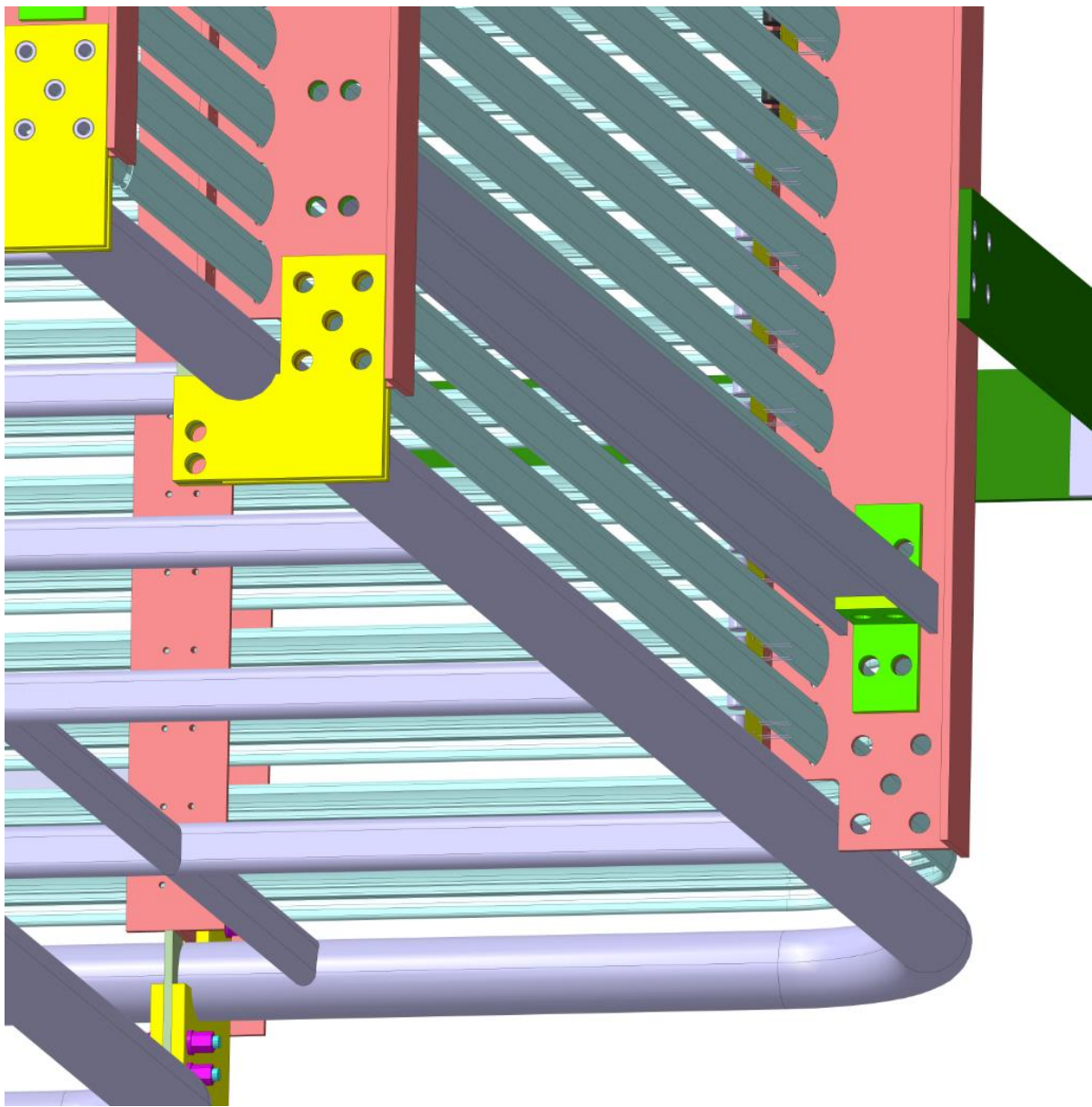
- New Cathode
  - Redesigned all Cathode for construction → still on going and should be finished by end of month.
  - ProtoDune Engineering support from V. Guarino for Cathode FEM Calculation
    - Simplified step file of the Cathode Structure sent
    - Documentation sent → see additional pdf in indico: *WA105 Detector and Cathode\_19\_07\_2017.pdf*
    - Structural analysis in Warm and cold (stress and deformation)
- Warm piping on Top of the Cryostat (purges)
  - We are working together with Cryogenic group and Neutrino Platform in order to define Purges position and orientation
  - Document is on preparation → see Draft in indico: *NP 02 00 00 - CEPM - 00046 ICD Cryostat and Warm Piping NP02 draft.pdf*



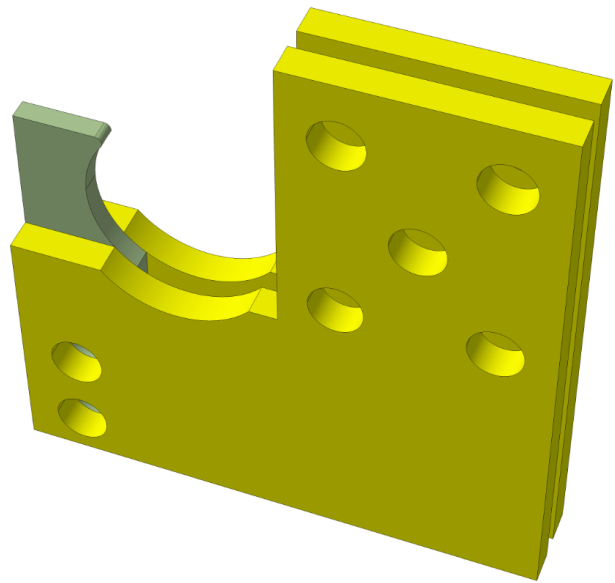
SGFT Crossing pipe purge







New Cathode Holder



Thank you