

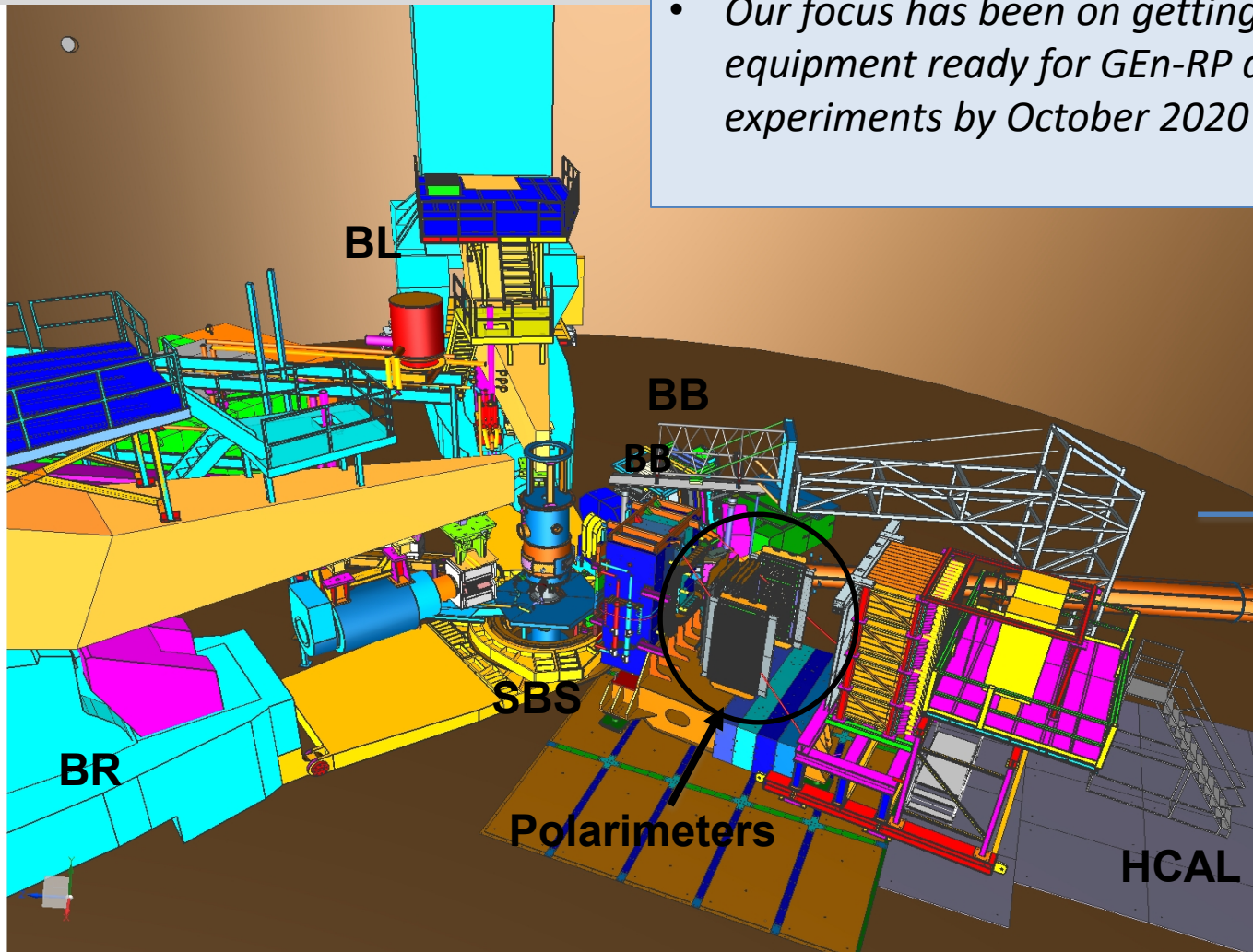
SBS Engineering Status

Robin Wines

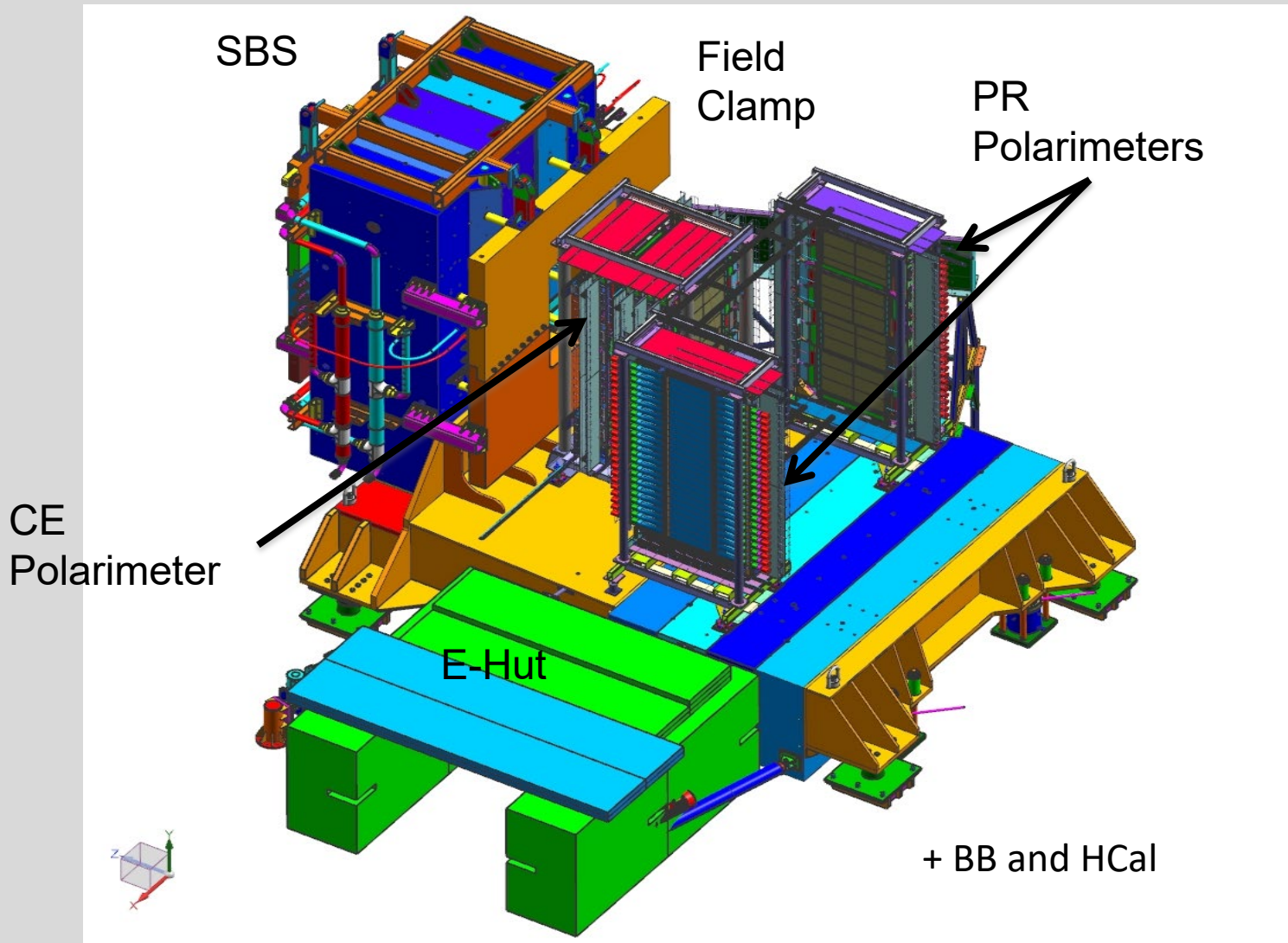
Sep 14 2020

GEn polarimeter Layout

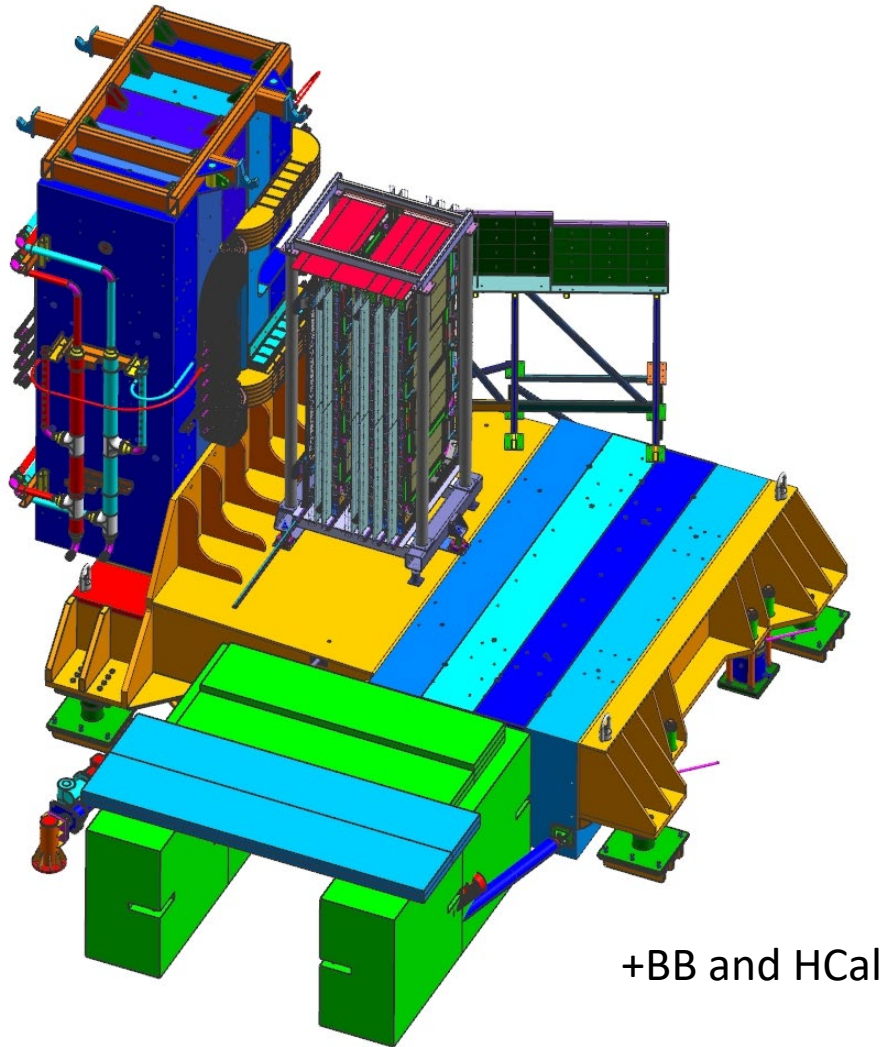
- *1st to run will be GEn-RP*
- *Our focus has been on getting all equipment ready for GEn-RP and GMn experiments by October 2020*



Gen-RP equipment- 1st setup



Gen-RP equipment-2nd setup



+BB and HCal

- Requires removal of Field Clamp, Fe Analyzer, CH Analyzer and PR Polarimeters

GEn-RP equipment status

- CE Polarimeter
 - FE Analyzer material delivered
 - CH Analyzer existing
 - GEMs in fabrication
 - GEM frames delivered
 - Main frame/support- parts delivered
- PR Polarimeters
 - GEMs in fabrication
 - GEM frames delivered
 - Scintillators existing
 - Scintillator frames delivered
 - Main frame/support- parts delivered
- Field clamp existing
- Shielding wall & support – modify existing/drawings in review
- Magnet opening shielding- lead ordered
- Ehut parts exist- contact J Segal for layout

SUMMARY of main components

Items remaining :

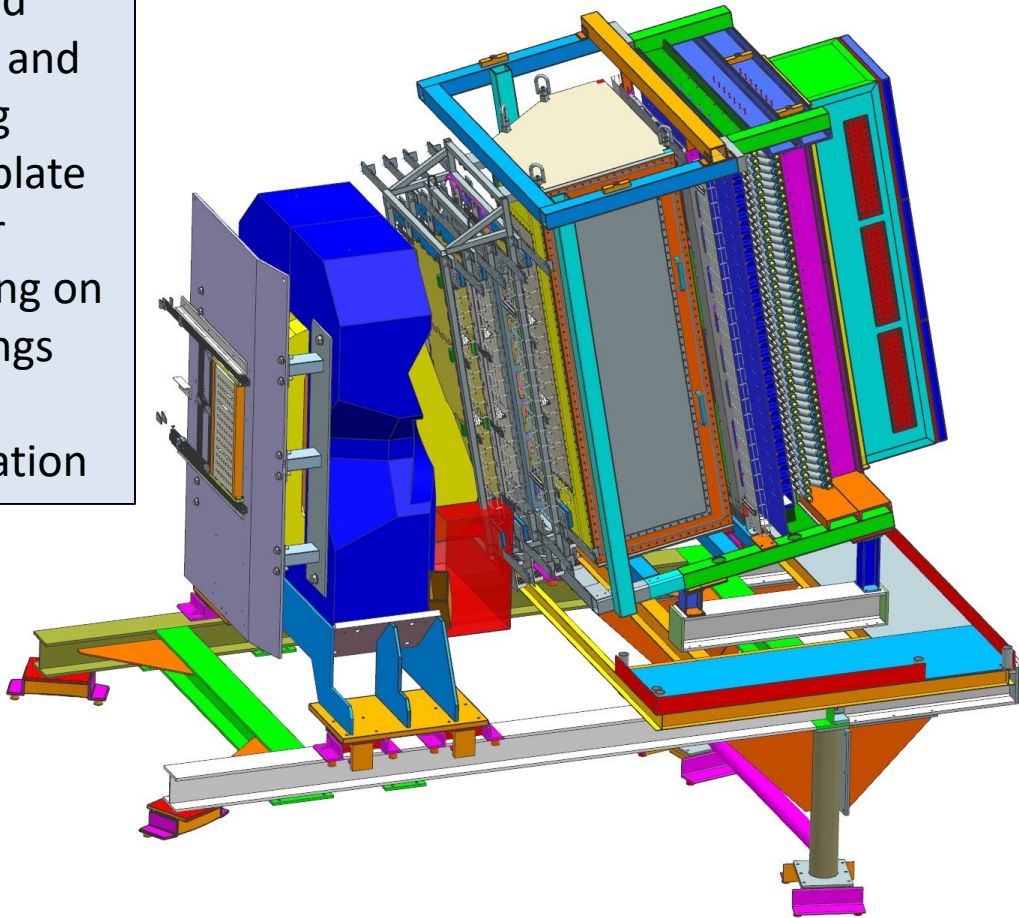
- Purchase lead wall modification parts**
- Purchase BB sieve plate holder parts**
- Purchase SBS sieve plate**
- Purchase beamline connection parts to corrugated part**
- Fabricate corrector magnet support brackets**
- Access points and safety rails**

Next SBS priorities

- Drawings & modifications of Ecal/ CDet support platform**
- ECal back frame and assembly drawings**
- Complete CDet hardware and frame modifications**
- Check GEn layout and parts**

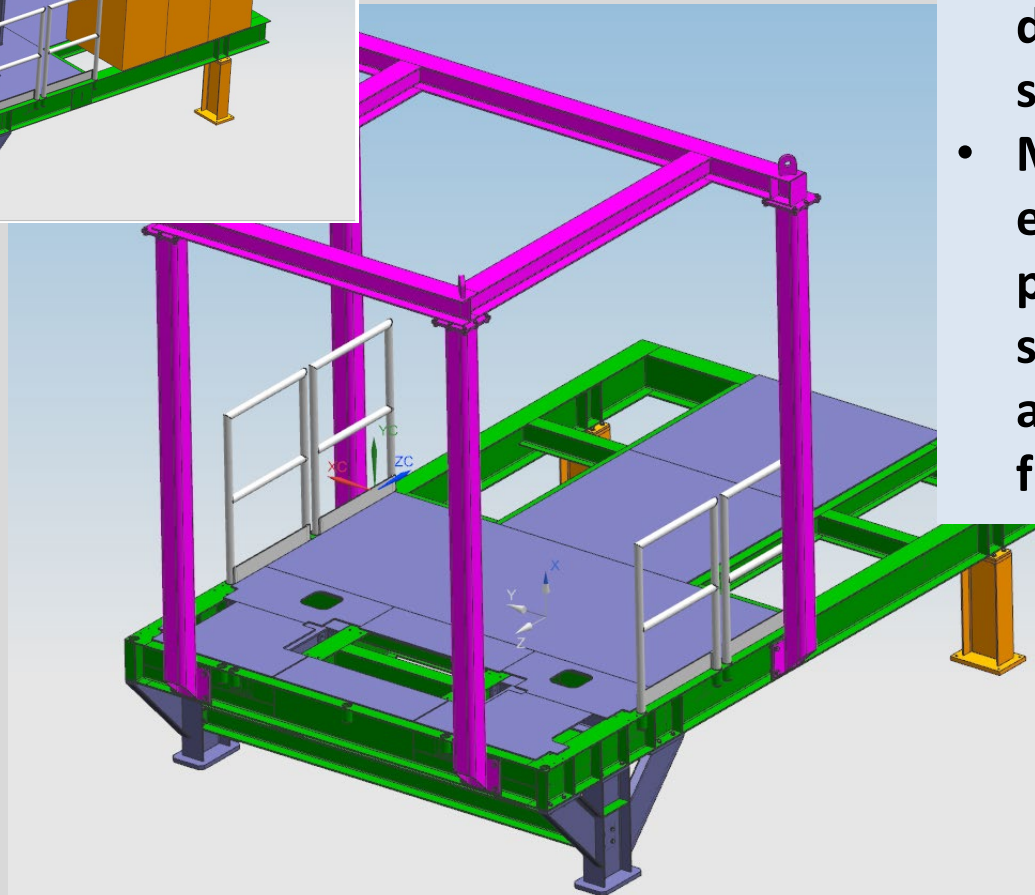
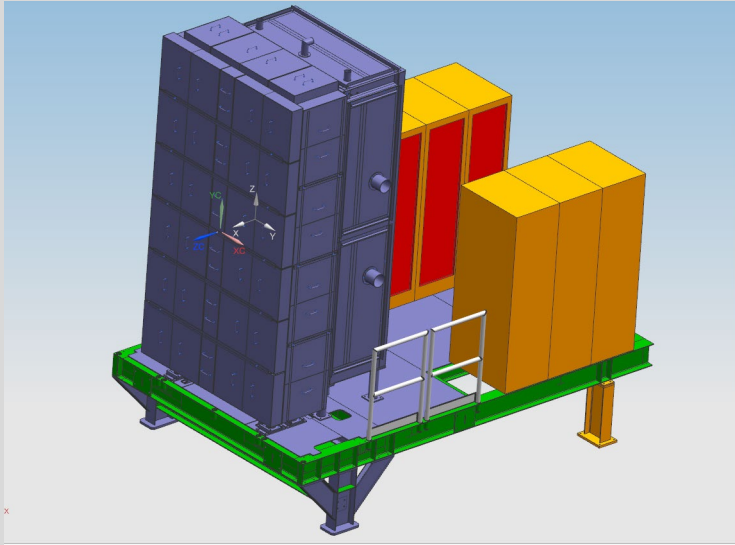
BigBite Magnet & Detector Support

- Modifying BB field clamp and adding sieve plate holder
- Working on drawings for fabrication



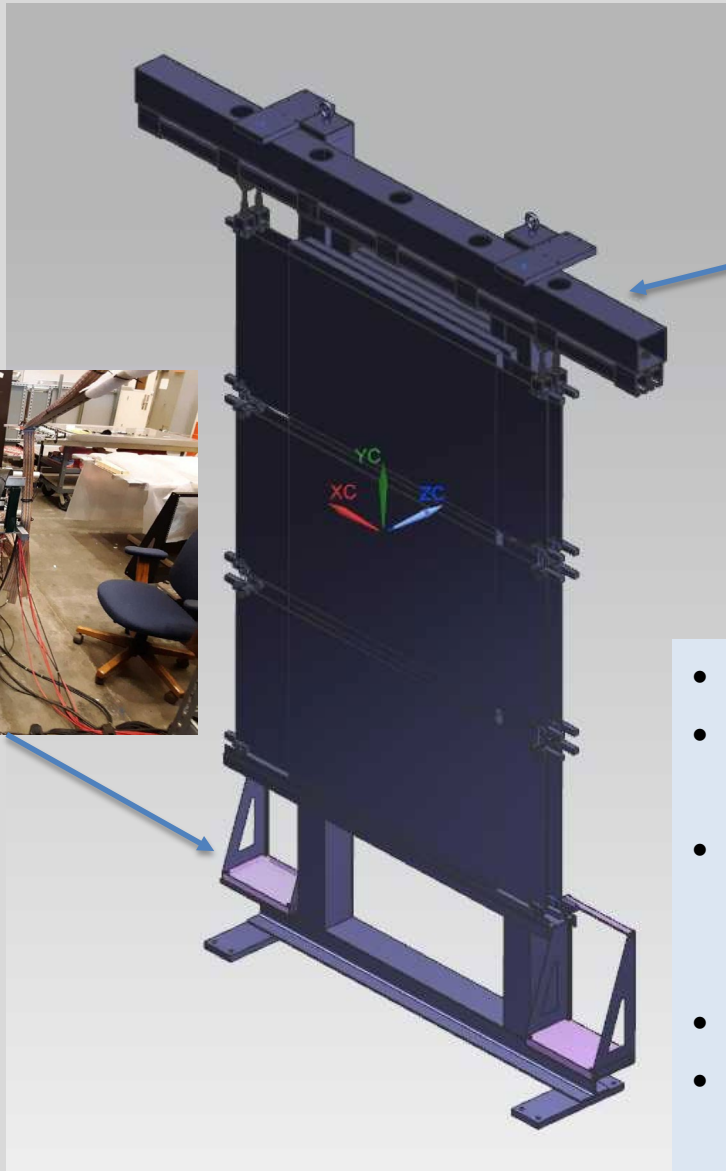
- Modifying support to allow BB distance to be 2.1 m without adding/removing extension piece.
- Completed design of BB detector support to allow angle of detectors.
- Parts in fabrication

ECAL



- Front frame has been delivered.
- Design of back frame near completion- needs access doors and support feet.
- Modifying existing platform- needs support feet and lifting frame

CDET



- Have CDet frame
- Added hardware design to mount detector modules to frame
- Added modifications to the frame for the addition of the post racks that house the cables
- Added strain relief bars for the cables
- Need to determine if width of frame is sufficient for access of the panels