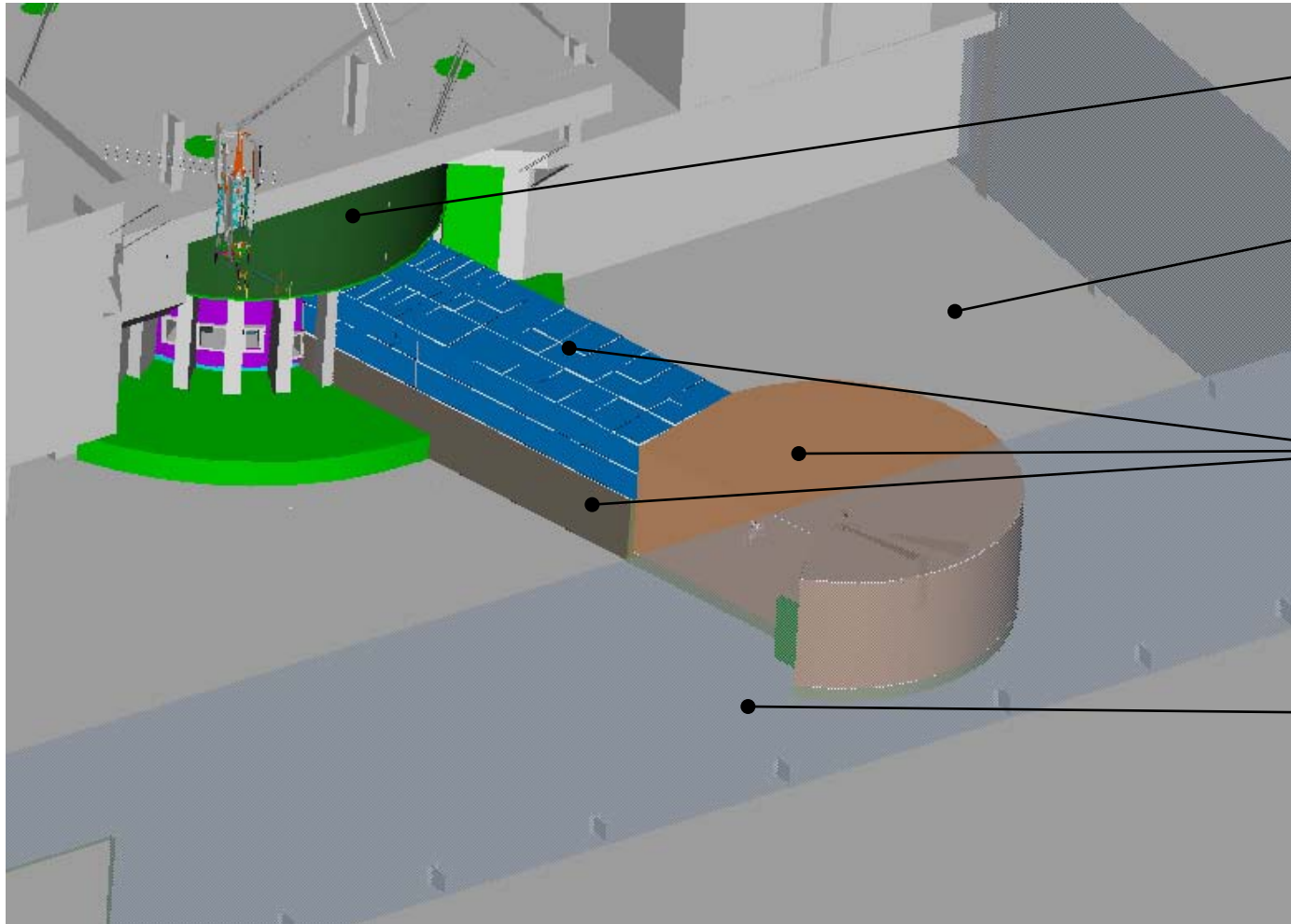


# Hybrid Spectrometer BL15 [BNL]

## Conceptual Design



Target  
Monolith

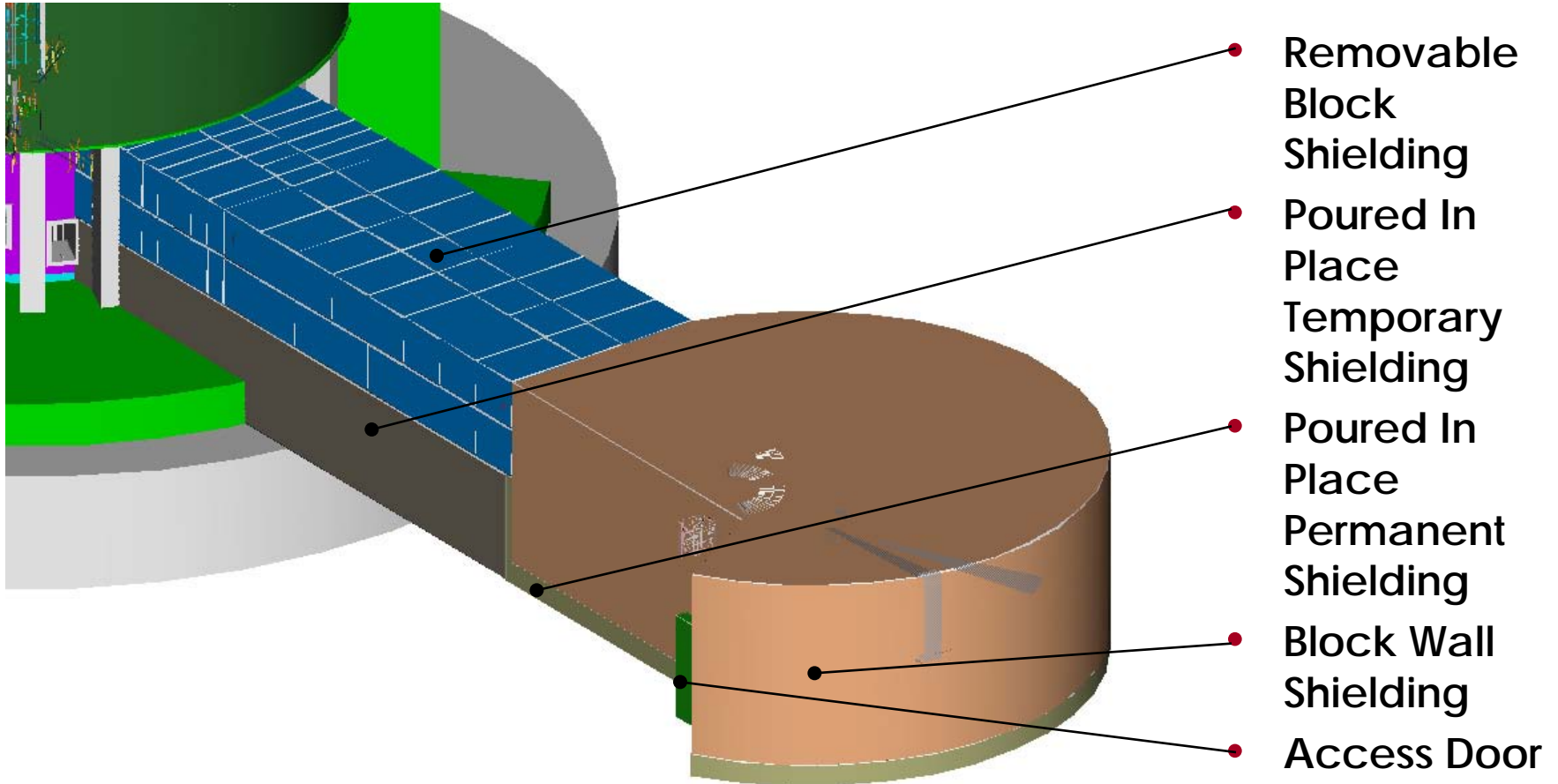
Instrument  
Building  
Floor

Instrument  
Shielding  
14' Tall x 14'  
Wide

Instrument  
Building  
Wall

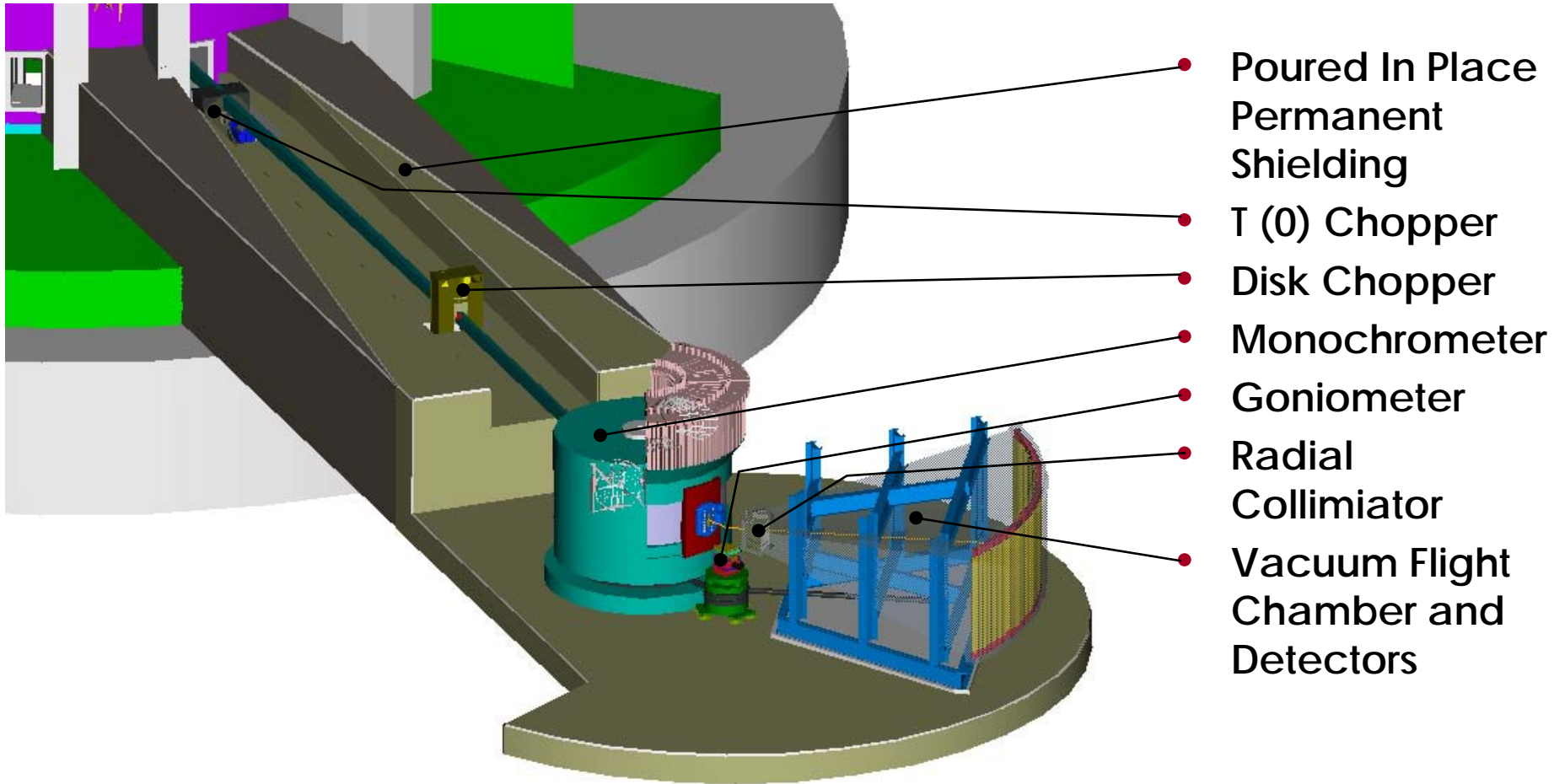
# Hybrid Spectrometer BL15 [BNL]

## Conceptual Design



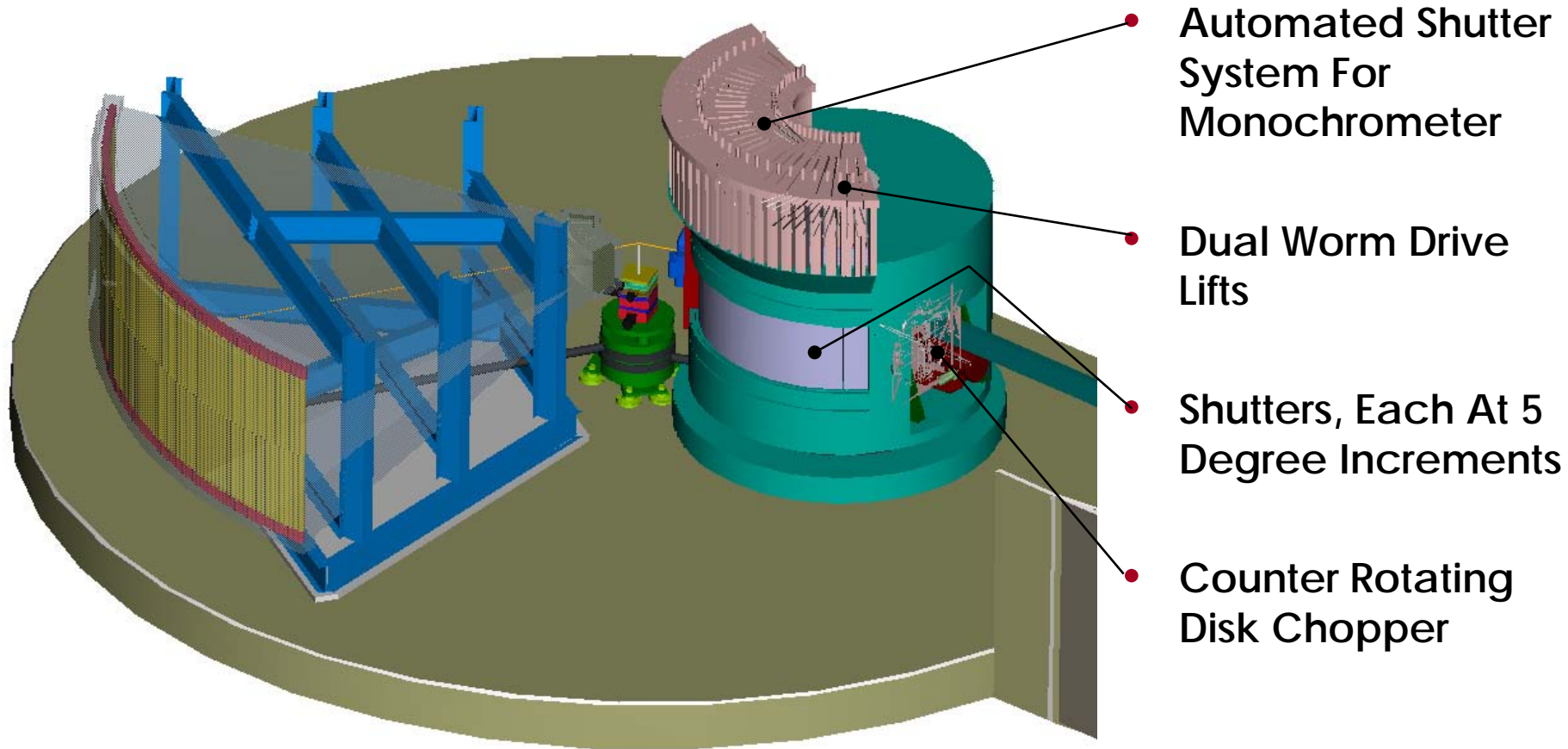
# Hybrid Spectrometer BL15 [BNL]

Conceptual Design



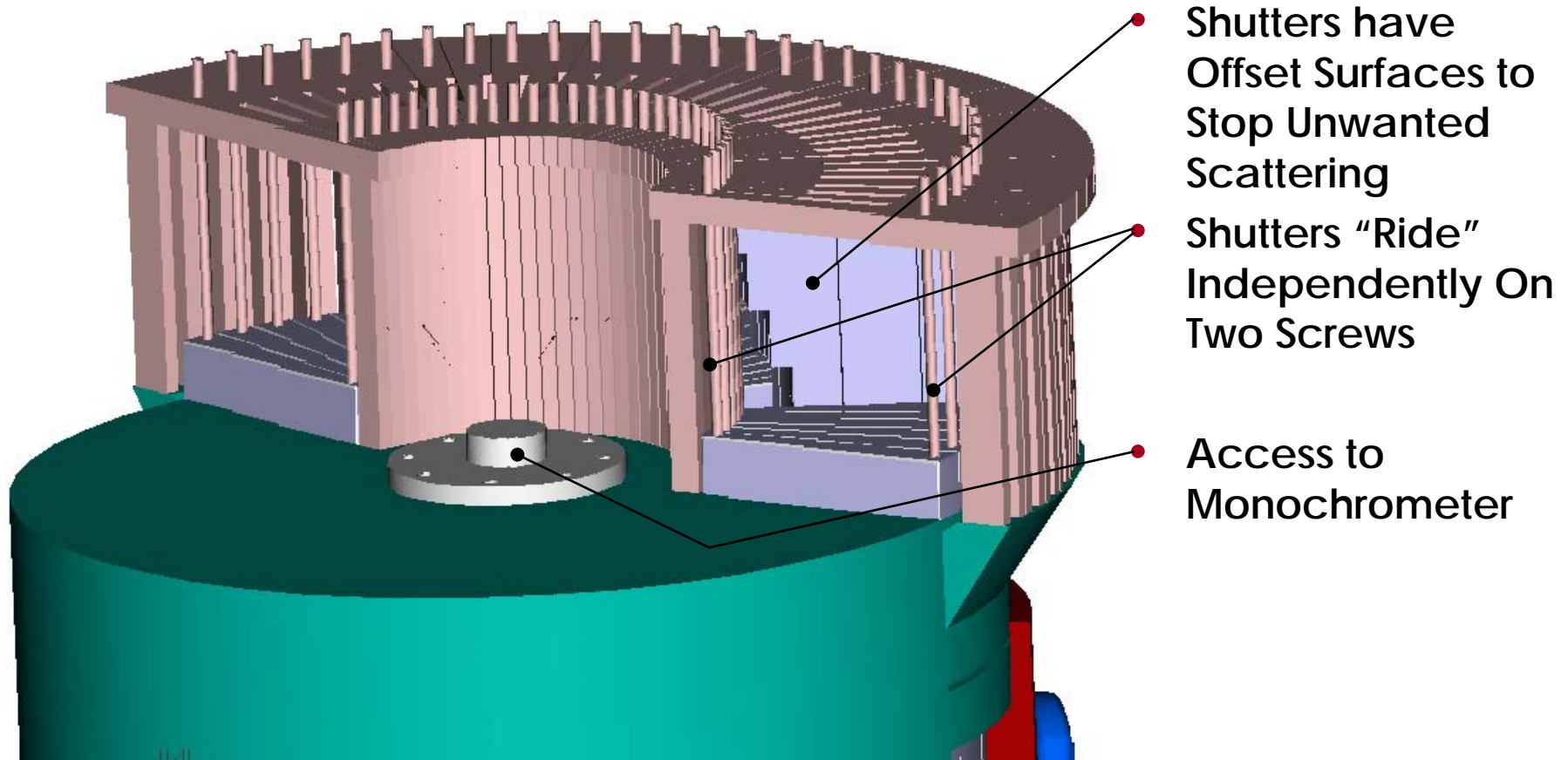
# Hybrid Spectrometer BL15 [BNL]

Conceptual Design



# Hybrid Spectrometer BL15 [BNL]

## Conceptual Design



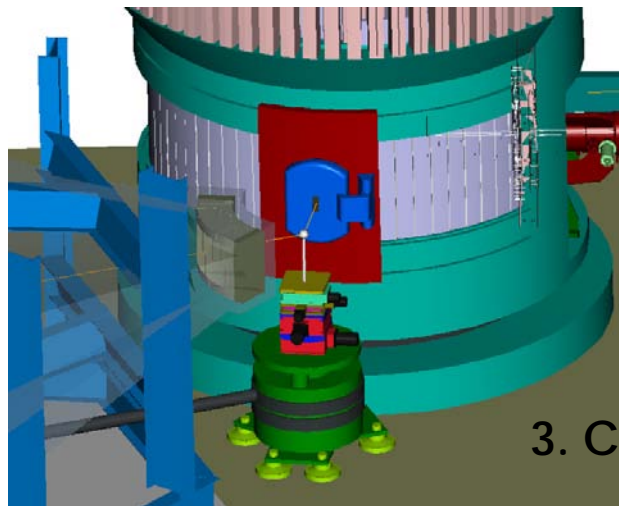
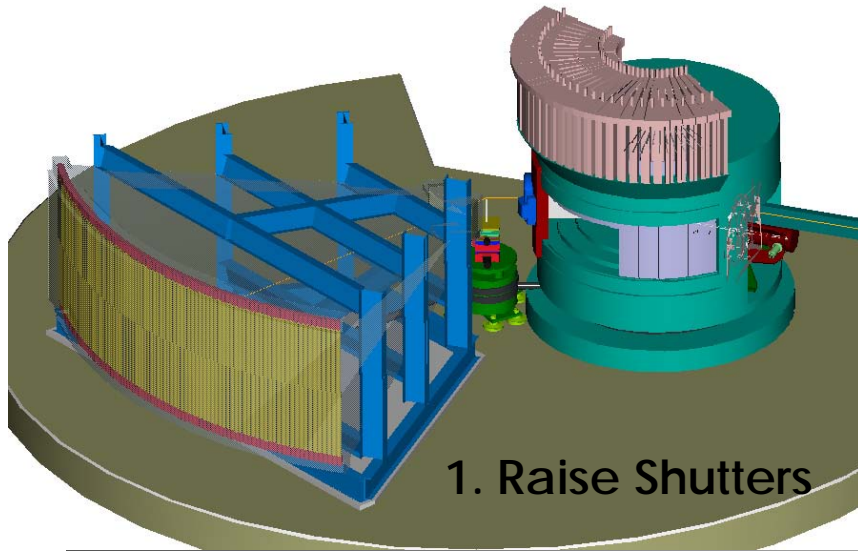
Shutters have Offset Surfaces to Stop Unwanted Scattering

Shutters "Ride" Independently On Two Screws

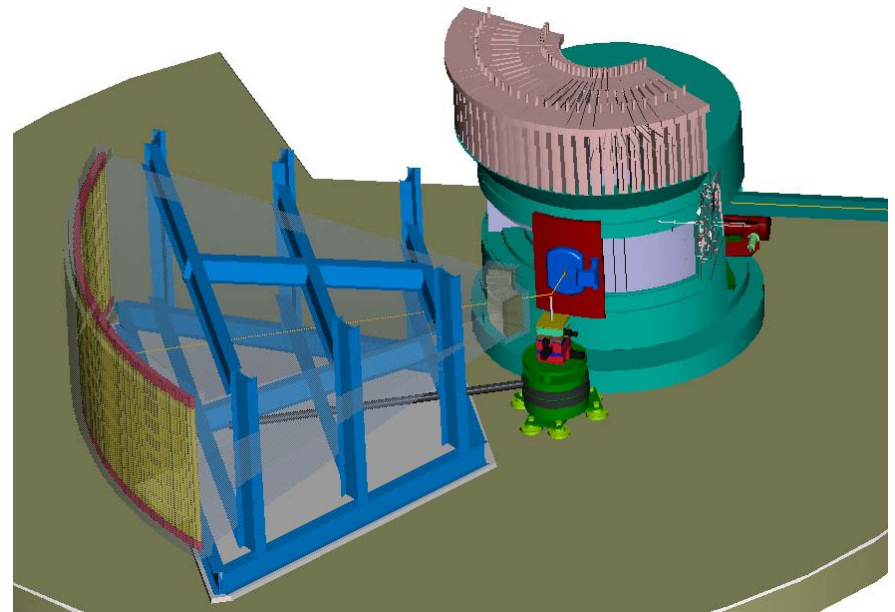
Access to Monochrometer

# Hybrid Spectrometer BL15 [BNL]

## Conceptual Design

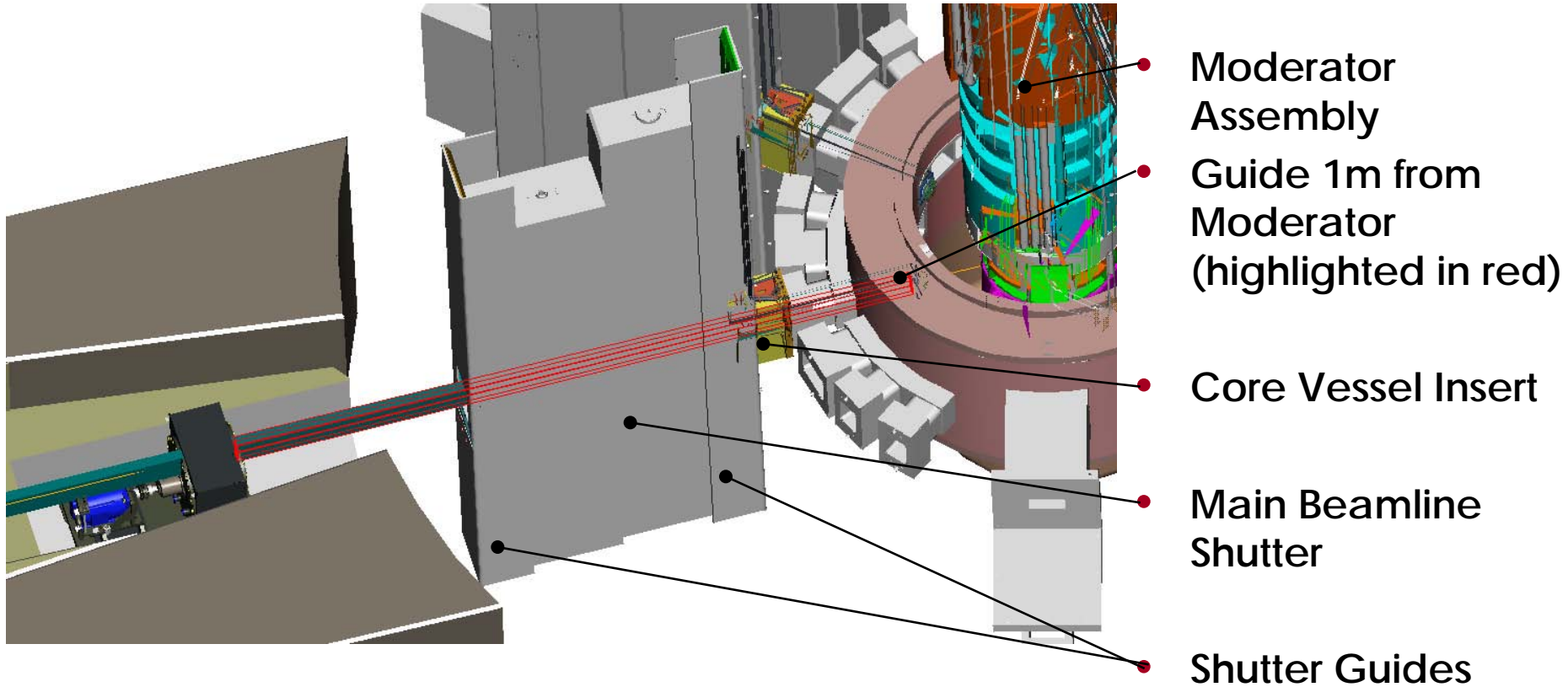


2. Swing Sample and Detectors On Airpads



# Hybrid Spectrometer BL15 [BNL]

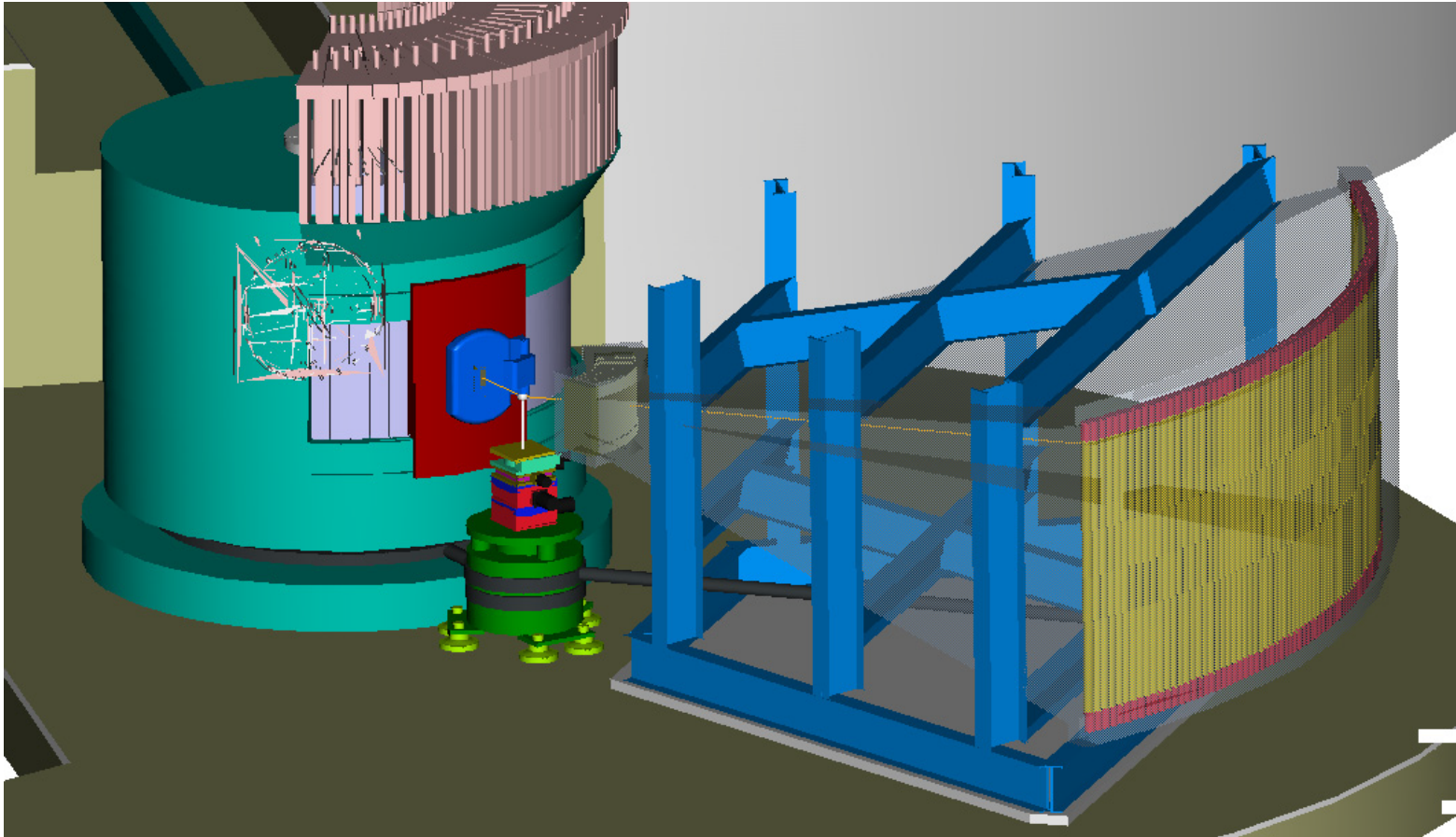
Conceptual Design



- Moderator Assembly
- Guide 1m from Moderator (highlighted in red)
- Core Vessel Insert
- Main Beamline Shutter
- Shutter Guides

# Hybrid Spectrometer BL15 [BNL]

## Conceptual Design



- Typical Experiment Configuration