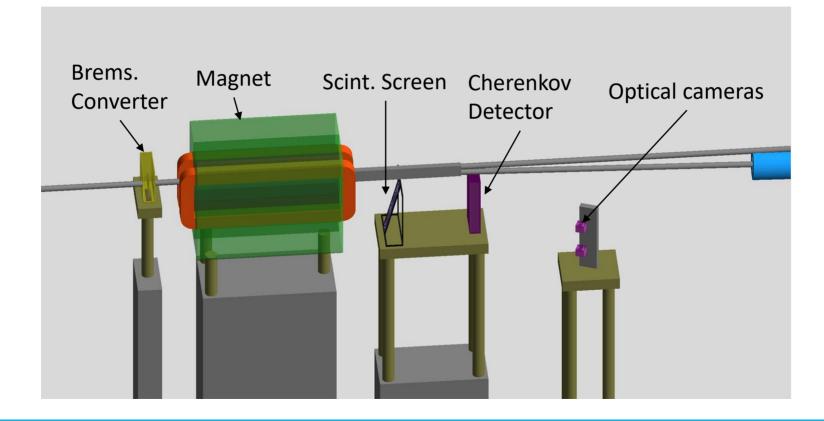
IBM Vacuum Chamber

IMPLEMENTATION OF A VACUUM CHAMBER IN THE INITIAL BREMSSTRAHLUNG MONITOR (IBM) PART OF THE LUXE EXPERIMENT

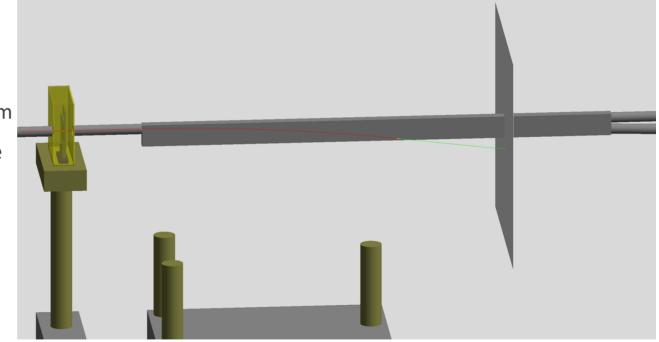
By Luke Hendriks - UCL

Current Set-up of IBM



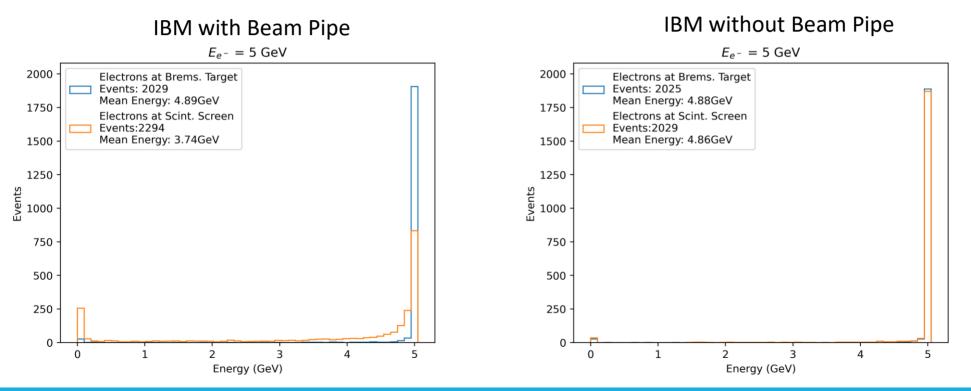
Problem with the Beam Pipe

- Want to measure electrons created during photon production in Bremsstrahlung Converter
- In order to measure photon spectrum
- Want to do it as precisely as possible

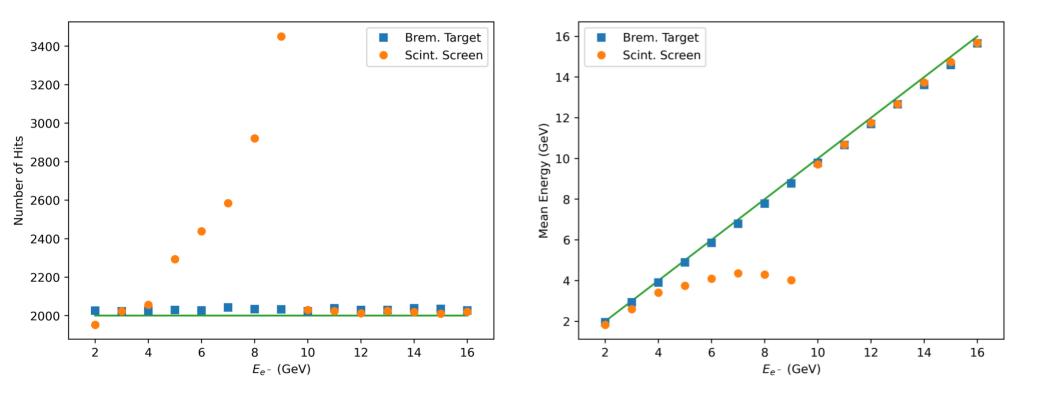


Problem with the Beam Pipe

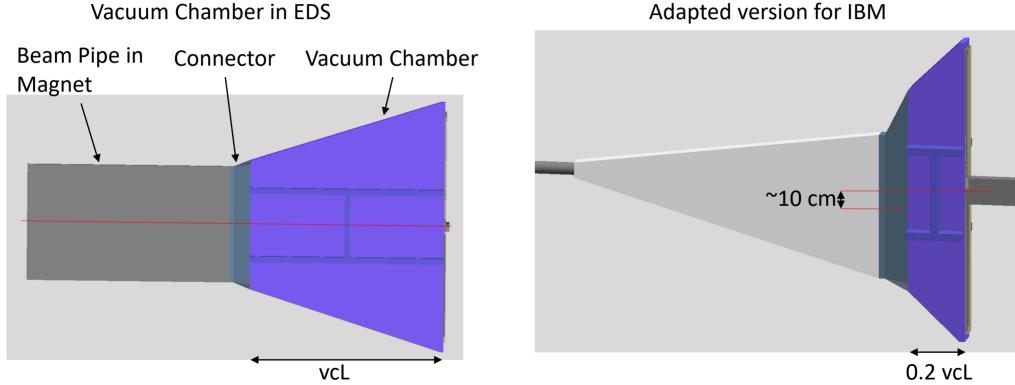
Beam Pipe main component of energy loss



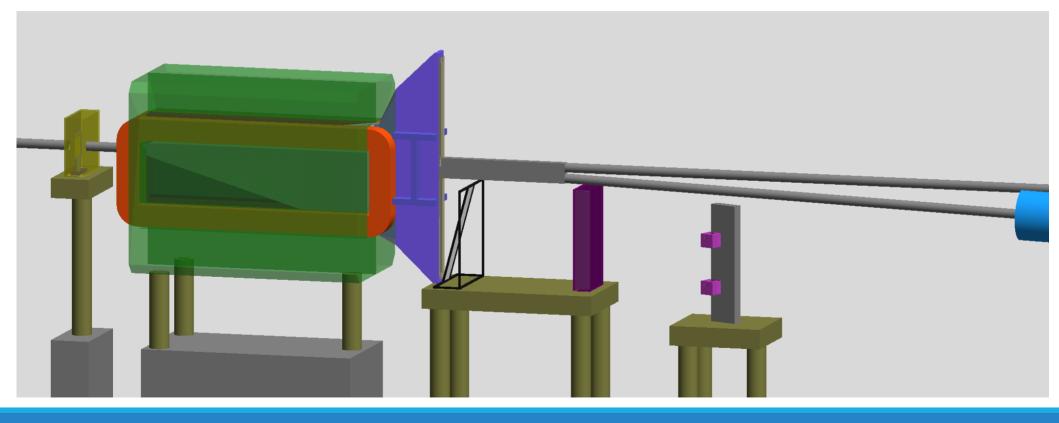
Problem with the Beam Pipe



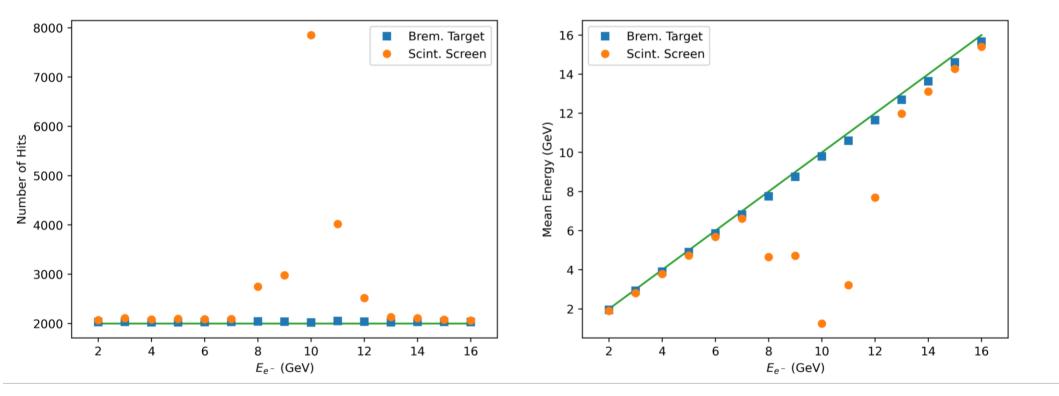
Creating the Vacuum Chamber



Creating the Vacuum Chamber



Results after implementing Vacuum Chamber



Downside of the Vacuum Chamber

