

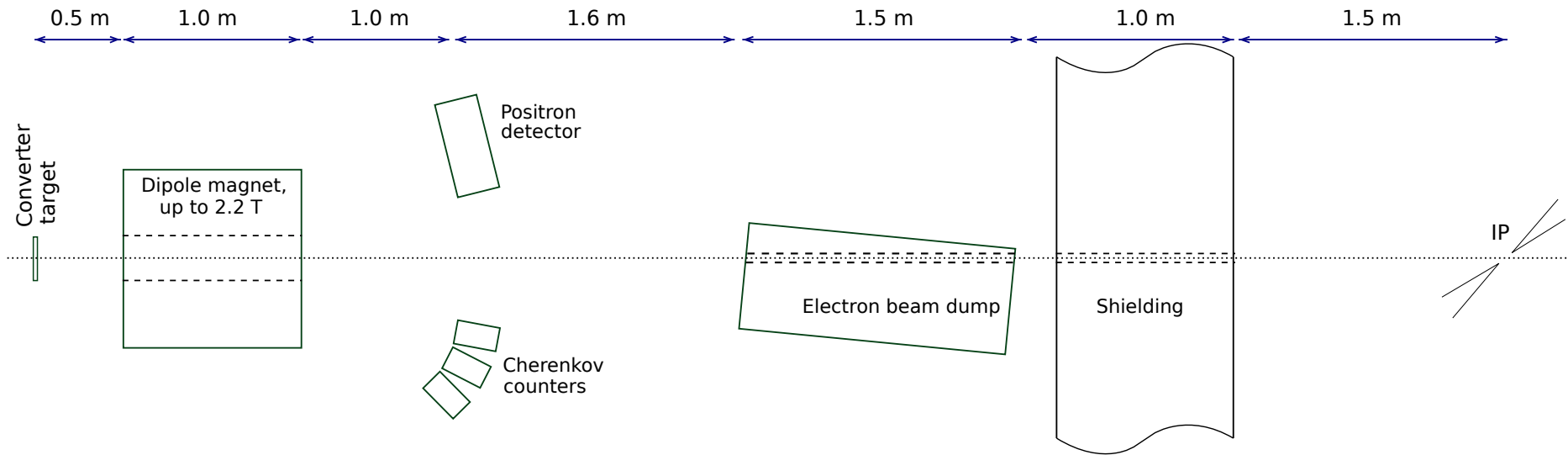
Status of detectors chapter

Matthew Wing (UCL/DESY)

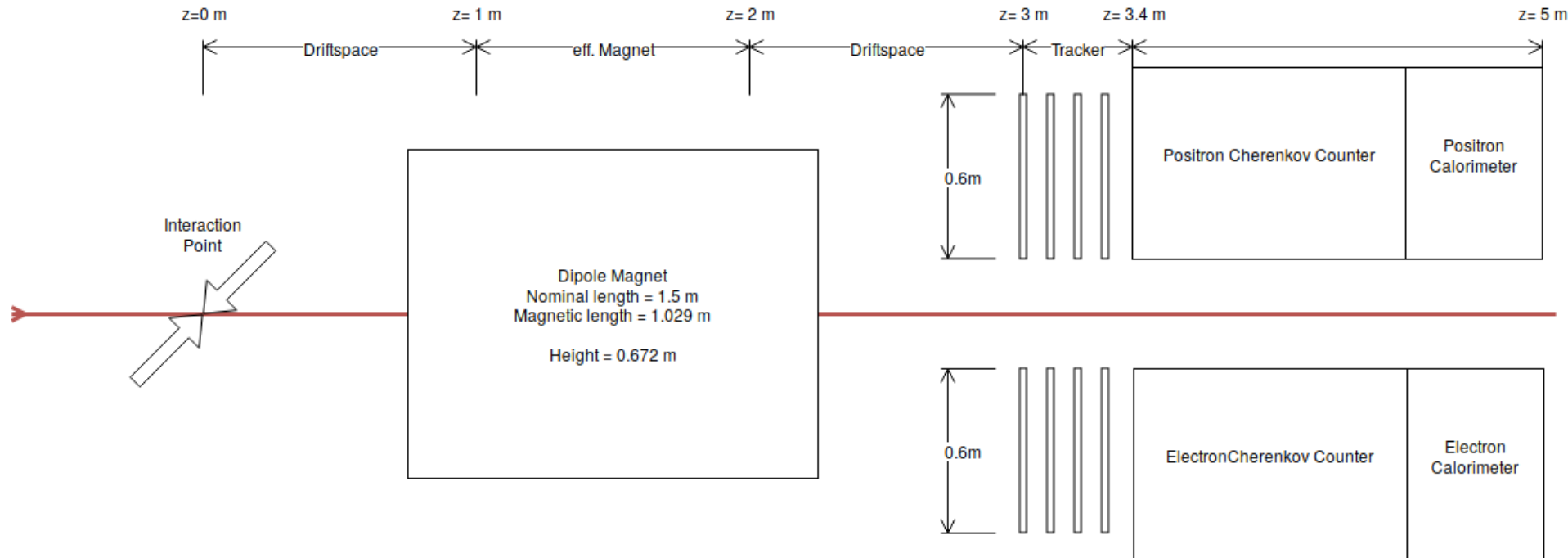
- Received input from:
 - Calorimeters, Aharon et al.
 - Silicon pixel trackers, Noam
 - Bremsstrahlung area, Sasha
 - e^+e^- detectors after IP, Marius
 - Forward photon spectrometer, Maryna
- Notes on the above linked to indico
- A lot of good studies which have way more detail than can be detailed in Lol

- Trying to condense this down to 4 pages:
 - Already over this value ...
 - Hope to have a draft in Overleaf today or tomorrow.
 - Can then be looked at by Beate and Massimo.
 - Also circulate to the “detector group” for feedback/improvements.
- Structure
 - Brief introduction.
 - Detector regions: Bremsstrahlung area; after IP; forward photon spectrometer.
 - Technology solutions: silicon trackers; calorimetry; Cherenkov detectors.
 - Services: DAQ.
- Dependencies:
 - Relation to chapter on overall Experimental Setup.
 - Have rough cost estimates for silicon tracking and calorimeters.

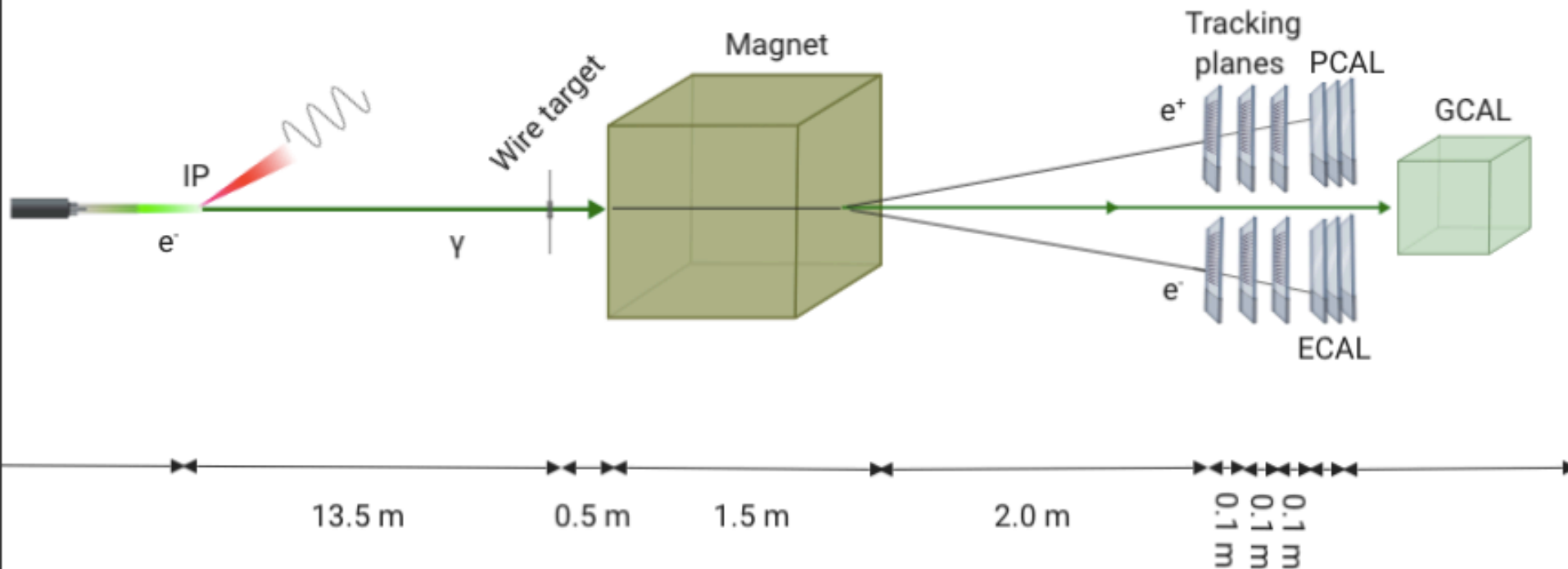
Bremsstrahlung area



IP detectors



Forward photon spectrometer



- Electron & positron detectors same design as after IP, i.e.
 - Same silicon trackers
 - Same calorimeter ?