Report from Daresbury e+ Meeting (29-31/Oct)

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Extendable KAS (1)

- In the initial phase, $3X_0$ W-Re for high e+ intensity.
  - 700 MeV SC accelerator (36m) can generate 32 % intensity e+ beam.
- This beam is more useful for commissioning.
- The target can be replaced when undulator e+ is ready for the commissioning. KAS becomes a small backup with a few % intensity with $0.4X_0$ Ti-alloy target.

Extendable KAS (2)

- In a mentime, 400m drift space for undulator gamma is enough to accommodate
  - 6 GeV linac for conventional e+ source with the full intensity.
  - 4 GeV linac for linac laser compton e+ source.
- Tunnel for undulator section is therefore compatible to all schemes which we have considered. Even after completion of tunnel, we can switch e+ scheme among them.
- Because of this flexibility, the extendable KAS minimizes unexpected risks.