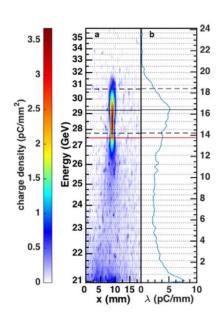
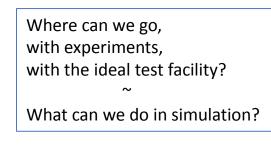
ALEGRO "Megatables".

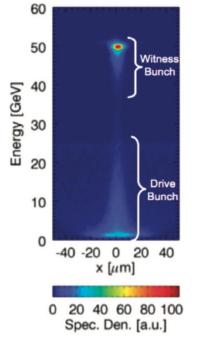
In order to progress towards a collider, I would suggest three columns for each technology Example here for e- e- acceleration:

Where are we, with experiments?



From 20 GeV to 29 GeV in 1.3 m. Wake to beam efficiencey $^{\sim}$ 30 %. M. Litos et al., PPCF, **58** 034017 (2016)

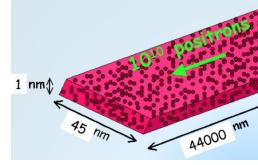




25 GeV e- e- energy doubling in 1 m. Total efficiencey >= 50 %. M. Hogan et al., New J. Phys. **12** 055030 (2010)

Where do we need to go, for a collider with energy XX, luminosity YY, assuming overall layout/parameters ZZ?

Define ideal experiments and test facilities



Requirements on : efficiency emittance energy spread and so on.

Parallel effort:

What are interesting XX, ZZ?

Update collider

layout

Are the assumptions ZZ the optimal ones?

[&]quot;Megatable" example: https://docs.google.com/spreadsheets/d/1lmxsiMtQUlo0Vrxub2WjyH-ZJqi_0vY3lZuFkjG9e9g/edit#gid=0