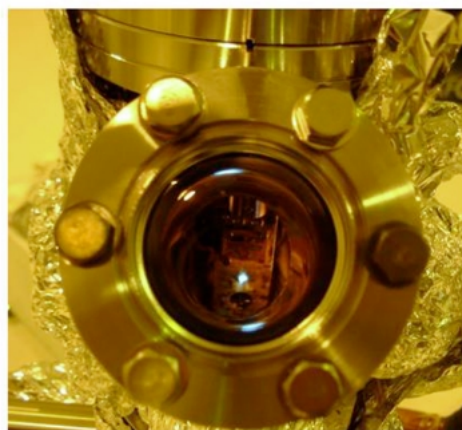
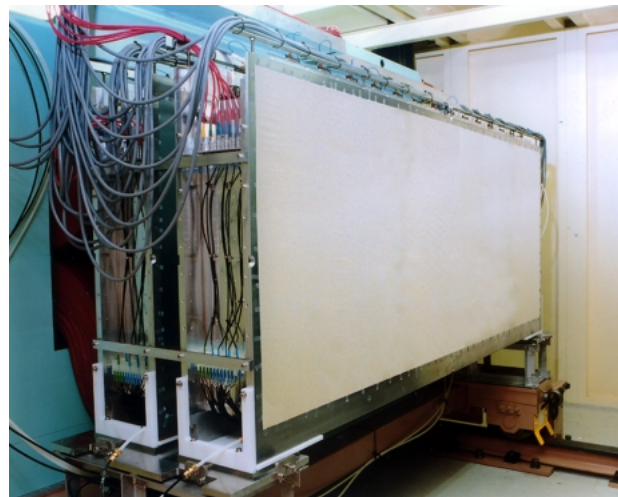


Two-dimensional Micro-Strip Gas Chamber (MSGC) was developed for a fast time-resolved X-ray imager. It has 512 anode-, 512 cathode- and 512 back-strips with a pitch of 200 μm in a detective area of 10.24 cm \times 10.24 cm.

Large multiwire-drift chambers (MWDC) in the BL33LEP detector system. The size of each MWDC is 2160W \times 1120H \times 286L (mm³). It has 1800W \times 800H (mm²) effective area and five sense-wire planes. Charged particles produced by the collisions of GeV laser-electron photons with a target are detected within the position resolution of about 200 μm and their momenta can be determined together with a big magnetic spectrometer just upstream.



(a)



(b)



(c)

Soft X-rays have been guided over a very long distance across the two areas (the experimental hall and RI building) and the last focus-point is 120 m away from the light source. (a) First image appeared on the monitor screen on Dec. 12, 1999. (b) Detail. (c) Optical chambers in the RI building.