

Measurement

1. Gas mass spectrometry (He, Ne)
2. Accelerator mass spectrometry

Measurement



Accelerator mass spectrometer

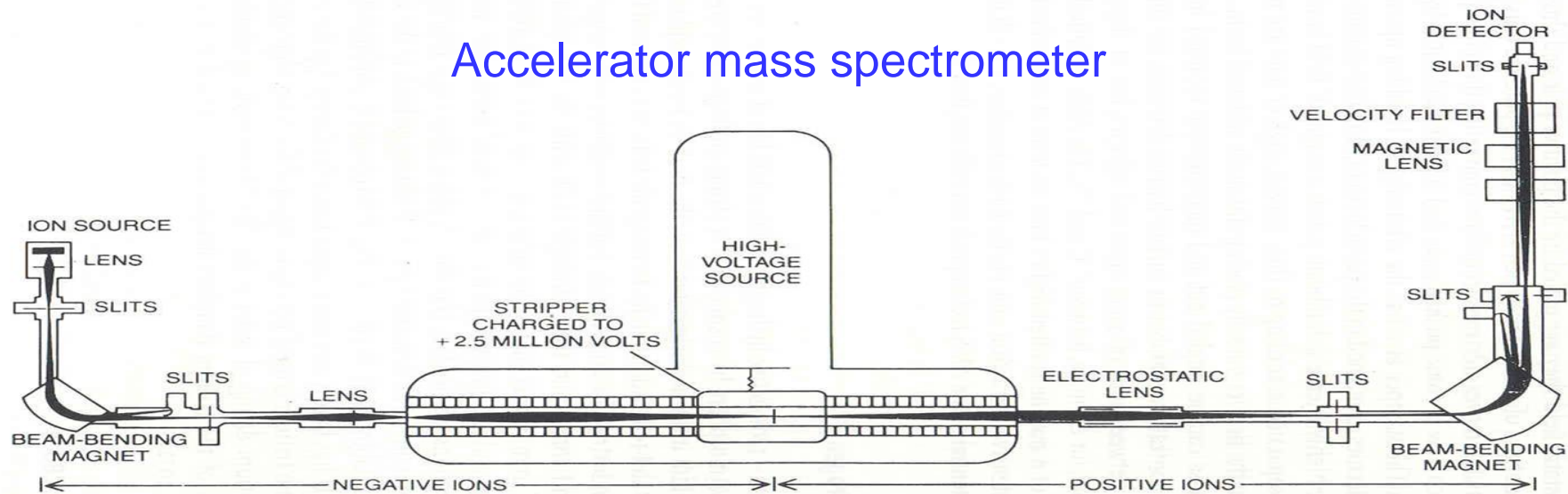
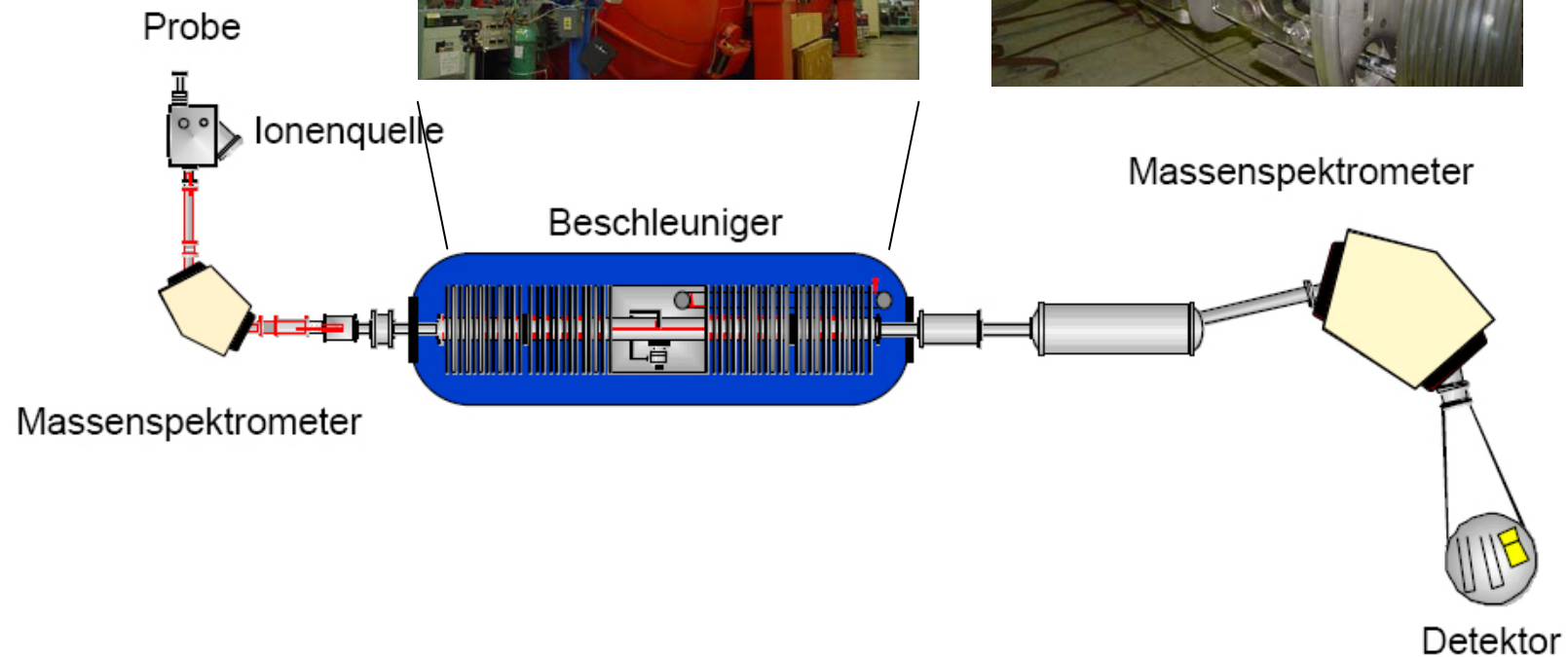


Fig. 37. Principal components of an accelerator mass spectrometer. (After Hedges and Gowlett 1986)

AMS has a factor of a million lower detection limit for ^{14}C , ^{36}Cl , ^{10}Be , ^{26}Al compared to counting methods

Accelerator mass spectrometer



For a glance on AMS see: PRIME Lab, Purdue Univ., West Lafayette, Indiana

<http://www.physics.purdue.edu/primelab/>