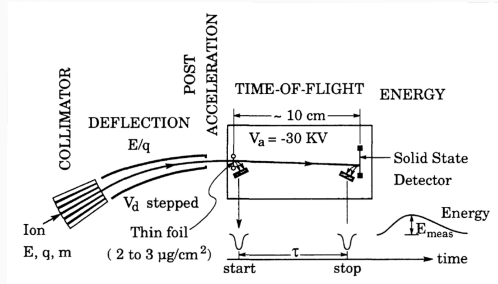
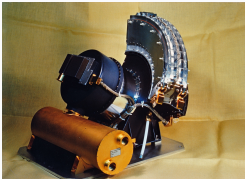


# Pickup Ion measurements with SWICS (Ulysses)

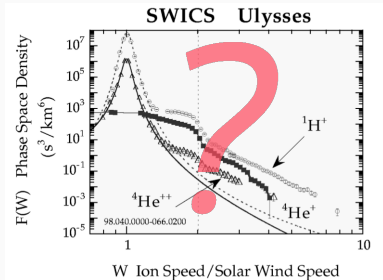
**SWICS: Solar Wind Ion Composition Spectrometer**  
– a Time-of-flight mass spectrometer



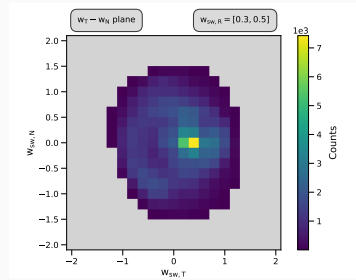
*Gloeckler, Geiss et al., 1992*

- $\left\{ \frac{E}{q}, ToF, E_{SSD} \right\} \Rightarrow \left\{ \frac{M}{q}, M, |v| \right\}$
- identification & energy of the ion

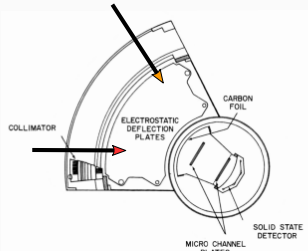
## From 1D to 3D:



*Gloeckler, Geiss et al., 1992*



- Sectorization of the SWICS sensor
- Rotation of SWICS
- Aspect Angle



# Ulysses Orbit

