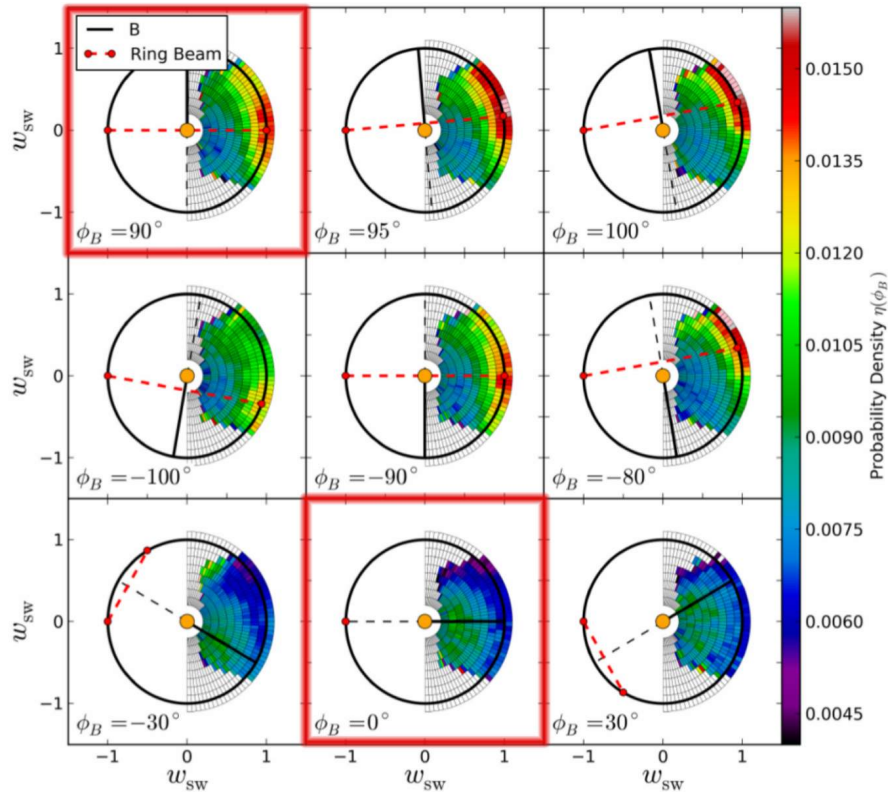
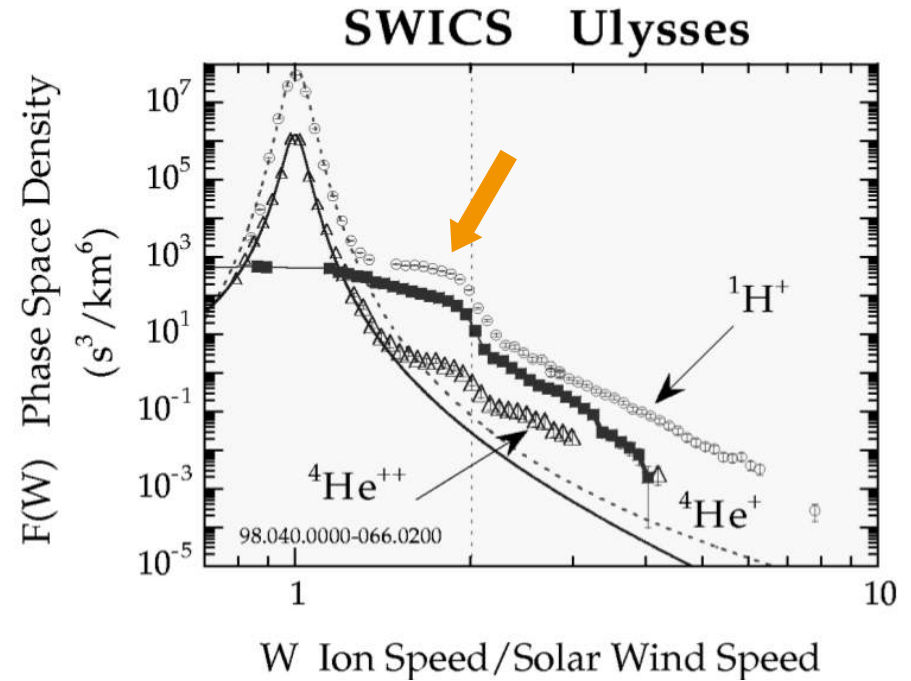


# 3D Velocity Distribution Functions of Pickup Ions with Ulysses/SWICS

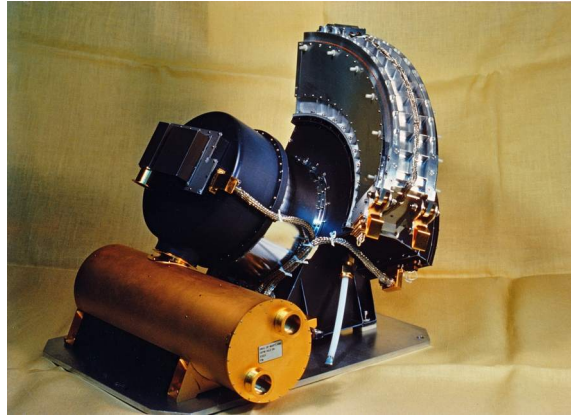


Dreus et al., 2015



Gloeckler et al., 1999

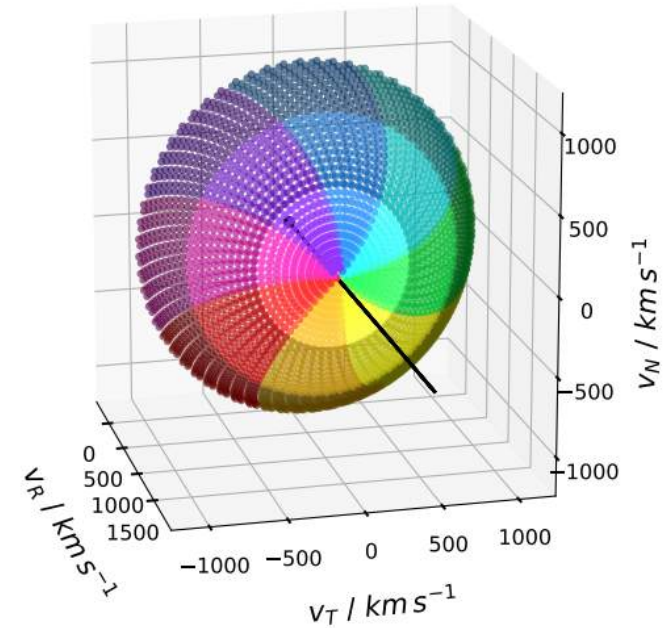
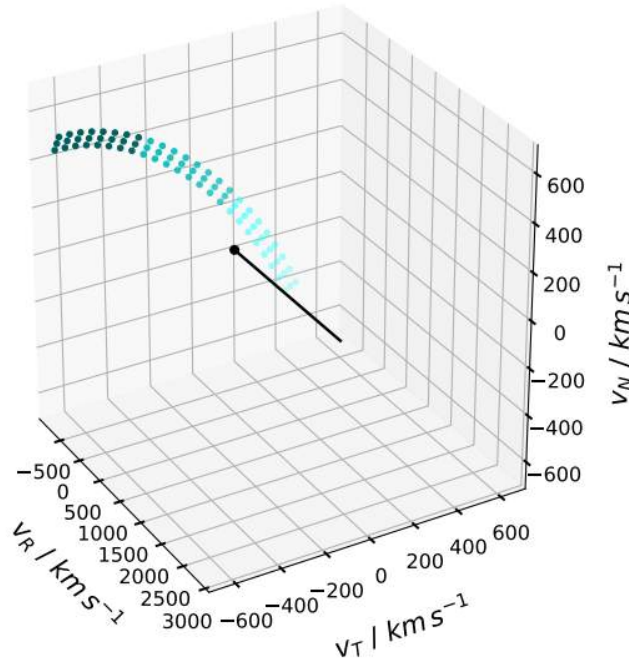
# 3D Velocity Distribution Functions of Pickup Ions with Ulysses/SWICS



*Gloeckler, Geiss et al., 1992*

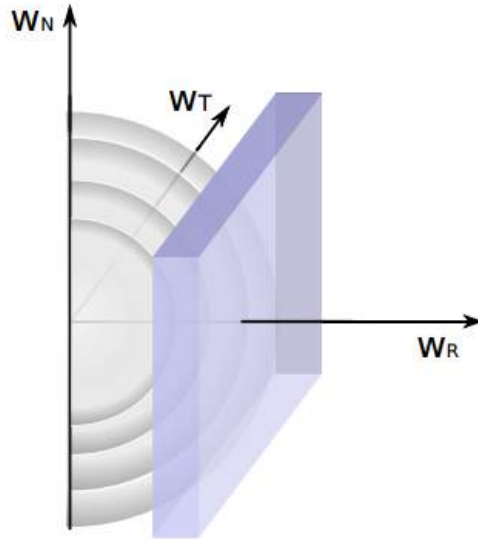
SWICS

The **S**olar **W**ind Ion **C**omposition **S**pectrometer



The Virtual Detector

# 3D Velocity Distribution Functions of Pickup Ions with Ulysses/SWICS



$$\mathbf{W}_{SW} = \frac{\mathbf{v}_{PUI} - \mathbf{v}_{SW}}{v_{SW}}$$

$v_{PUI}$ : PUI velocity  
 $v_{SW}$ : solar wind velocity

