



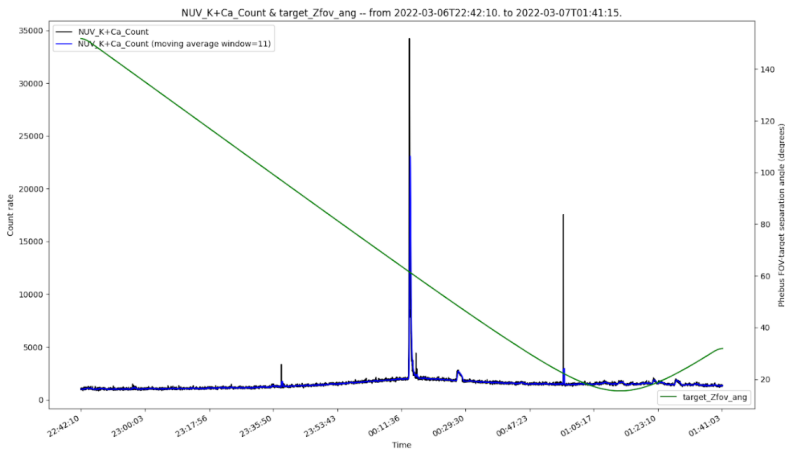
# Contribution to the visible channels (including zodiacal light and visible stars)

Valentin Boullenger

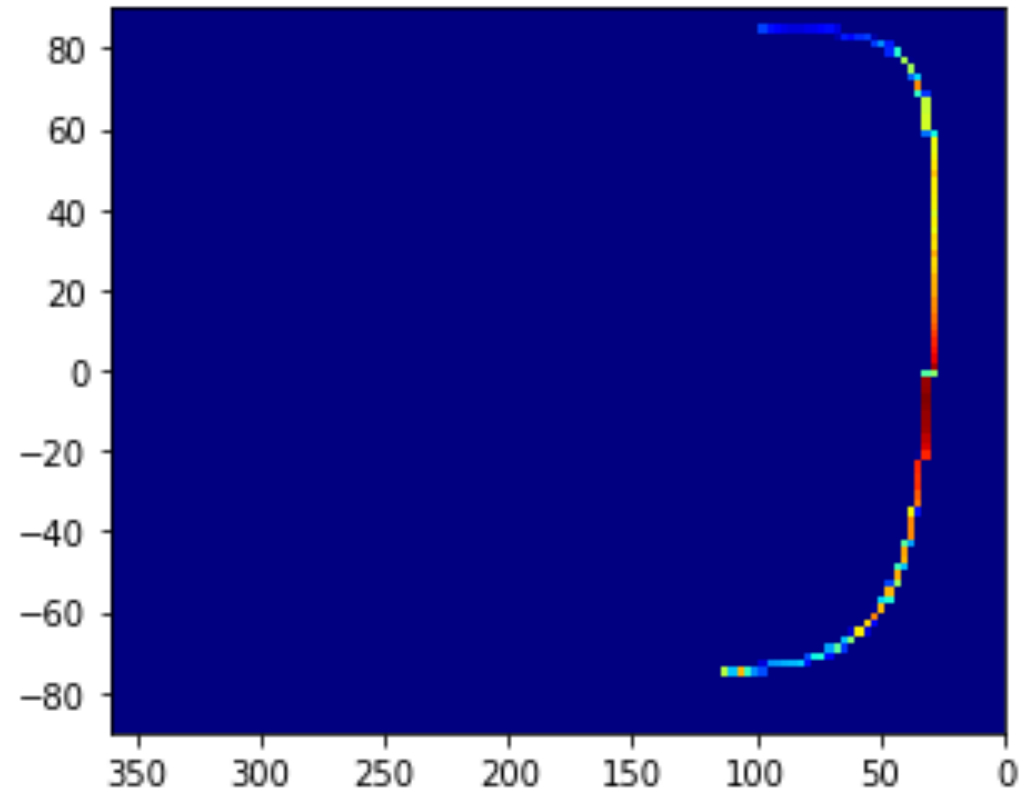
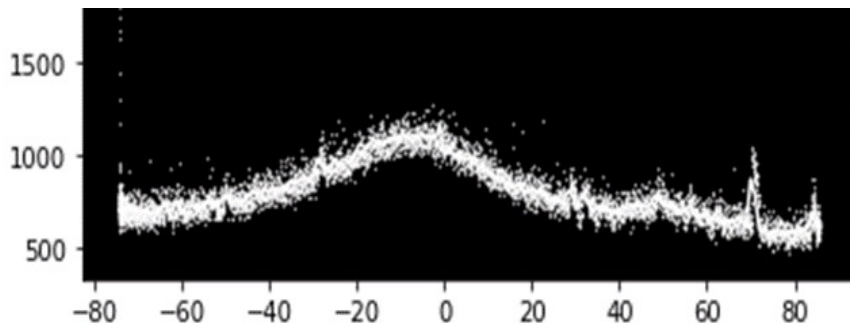


# WHAT ARE WE LOOKING FOR ?

## I. Star's contribution

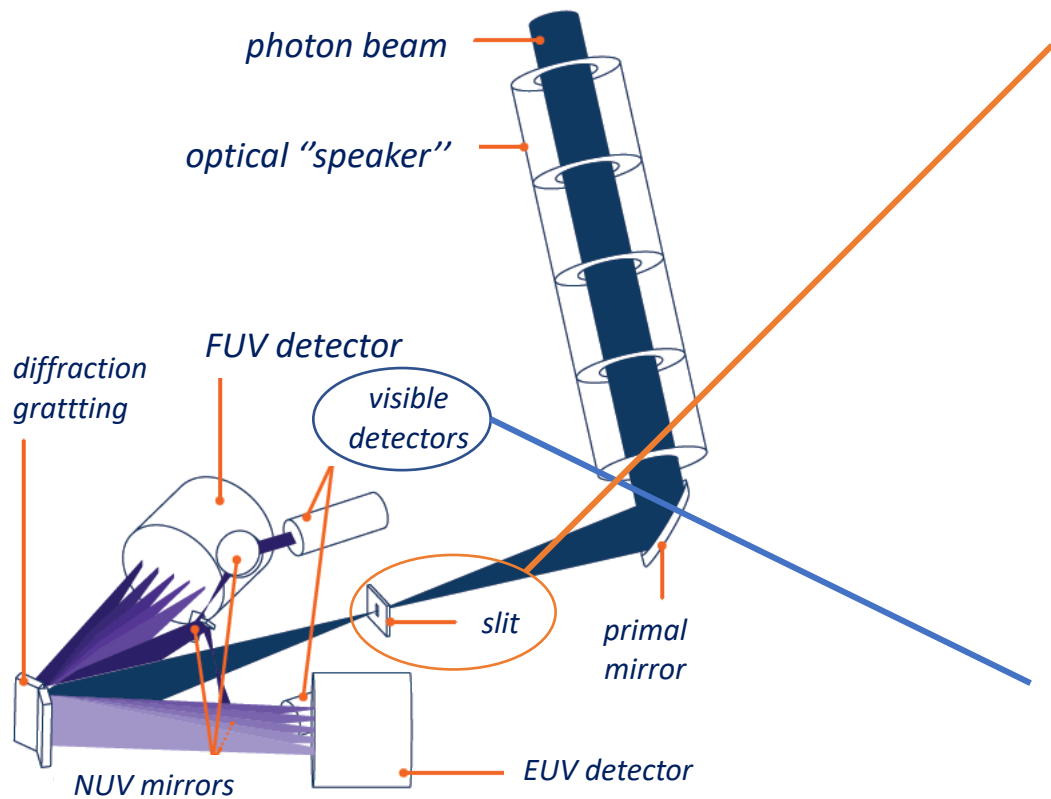


## II. Zodiacal light

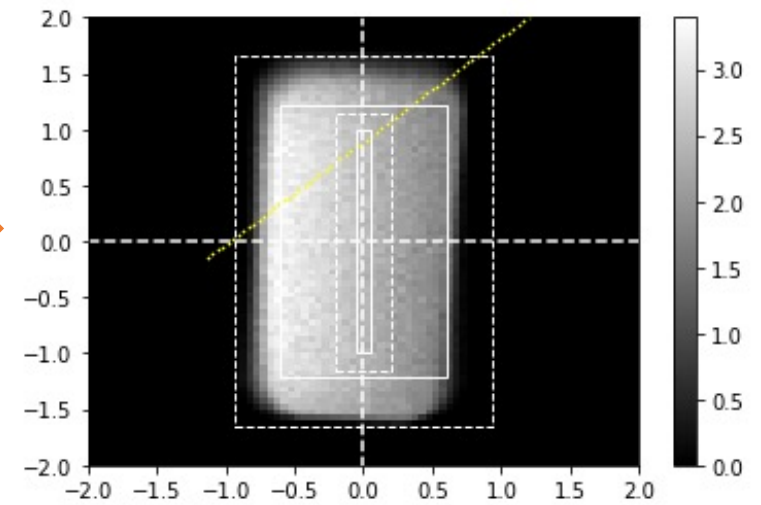


Representation in the elliptic coordinates of a flip (and the density of the contribution measured)

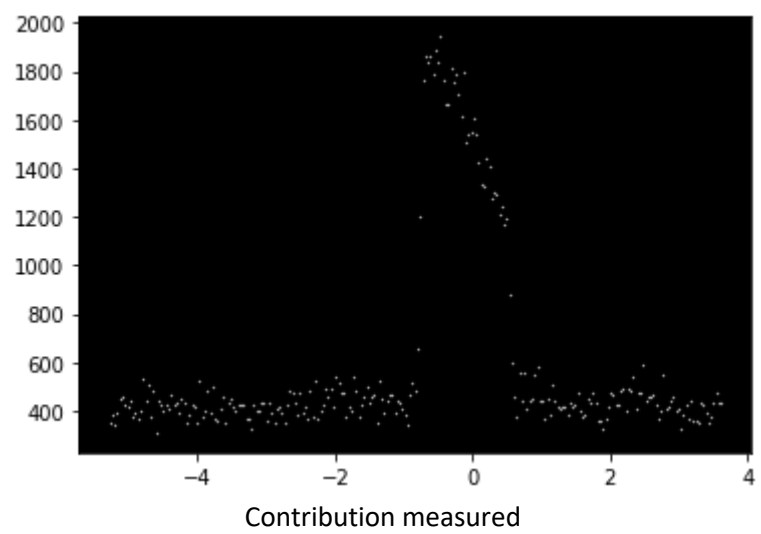
# HOW DOES IT WORK - PHYSICALLY



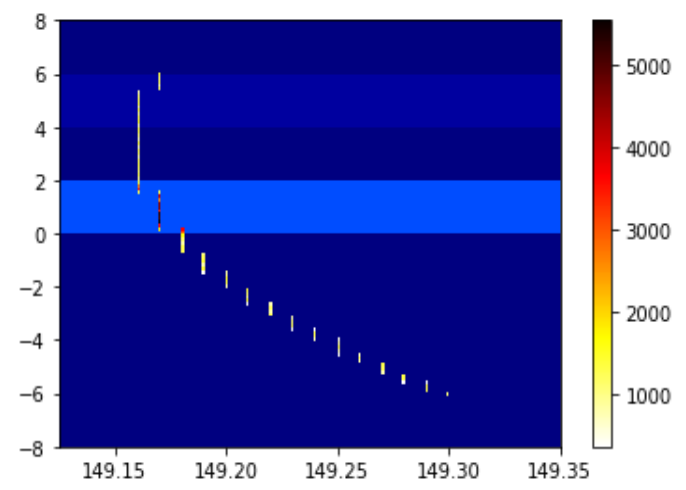
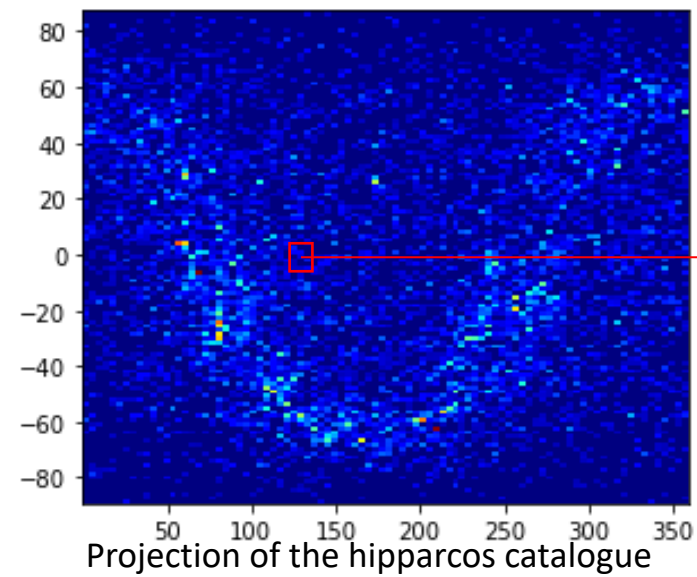
Scheme of PHEBUS fonctionment



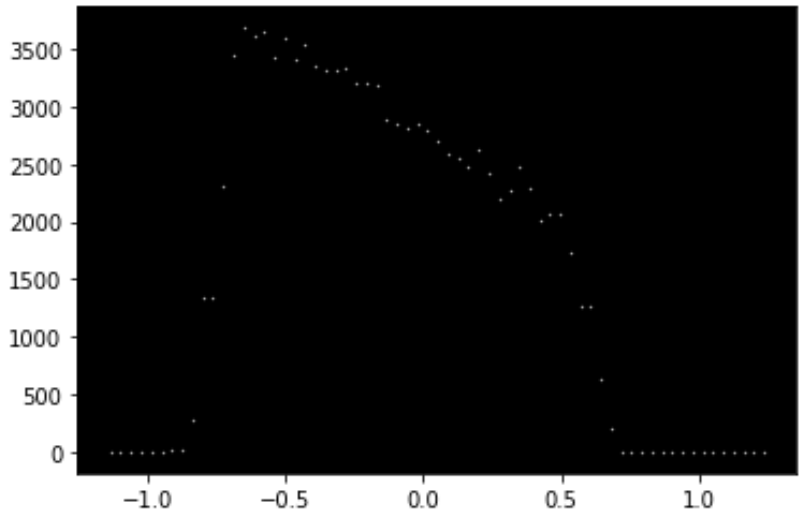
Trajectory of the star and transmission in the focal plane of the slit



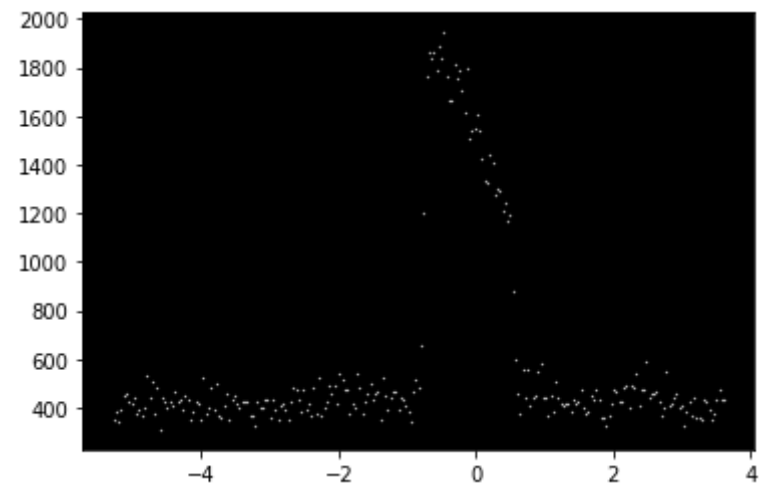
# FLIP AND HIPPARCOS CATALOGUE



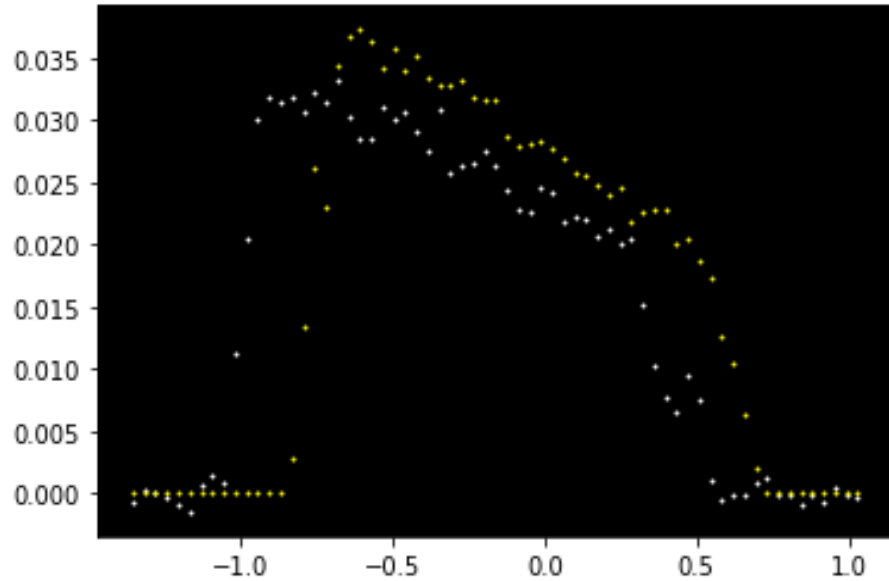
Projection of the flip onto the catalogue



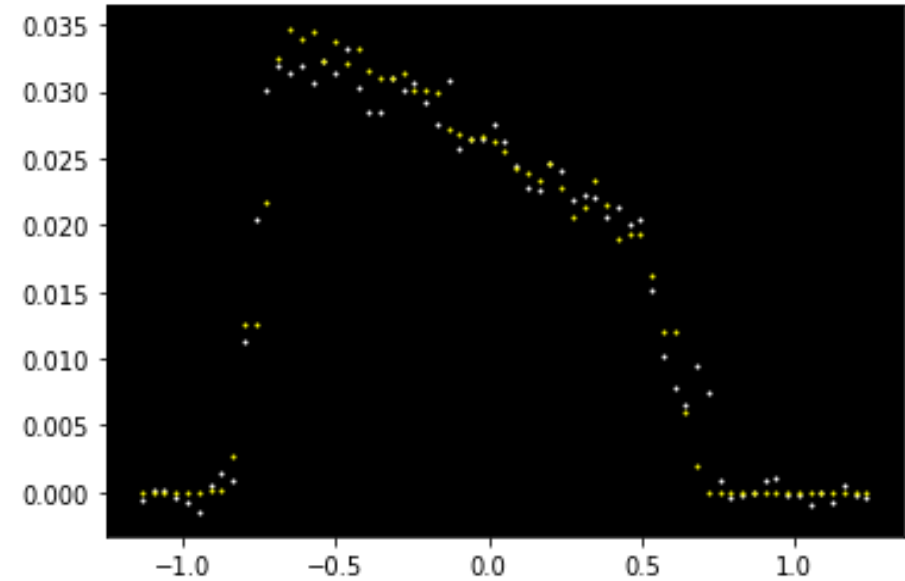
We can easily identify the star observed and generate its theoretical observation



# CORRELATION BETWEEN THEORY AND MEASURE



Normalized comparison between theoretical and measured

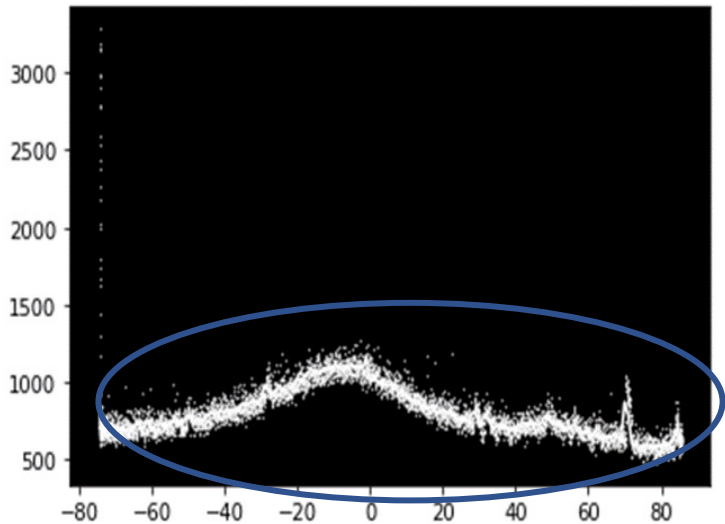


Normalized comparison with correction of the gap

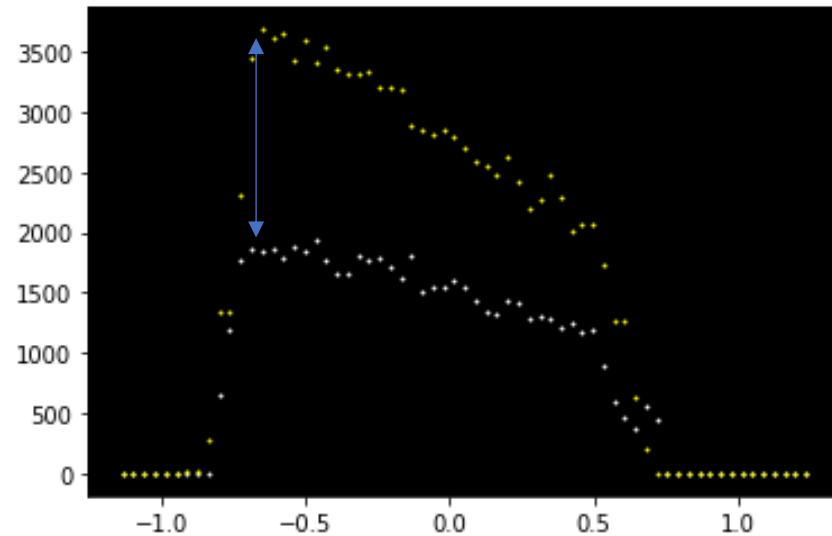
• measured  
 • theory

# WHAT IS NEXT ?

Estimate the zodiacal light when the slit is removed



Correct the gap between measurements and theory



## THANK YOU FOR LISTENING!

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