



UN AN DE THÈSE À IJCLAB

JOSEPH CHEVALIER, A2C - LSST

WHAT HAPPENS IN YEAR 1?

- Research at the lab
- PhD-related missions outside the lab
- Trainings
- Teaching, etc.
- Bureaucracy (CSI, ADUM)

Professional life

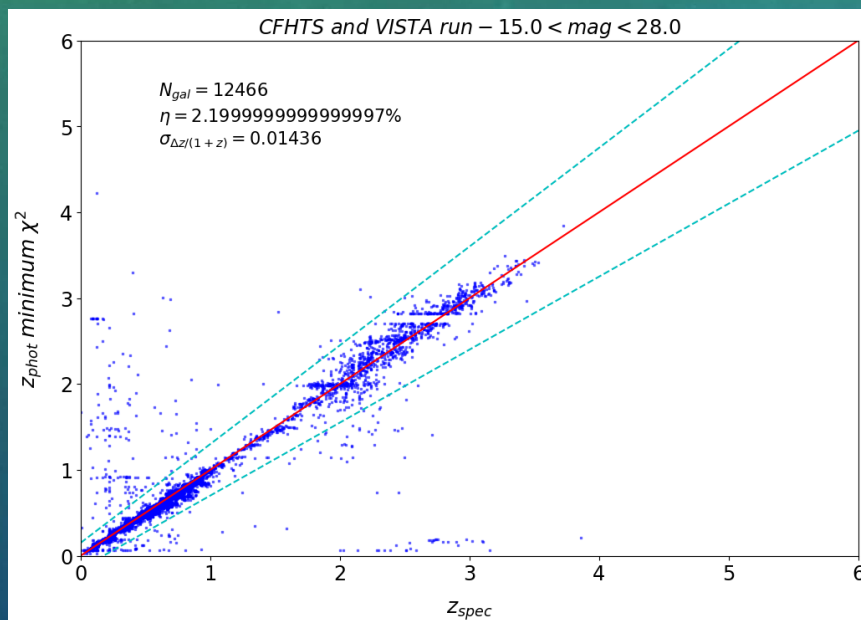


- Culture, social events, sports, arts...

Personal life

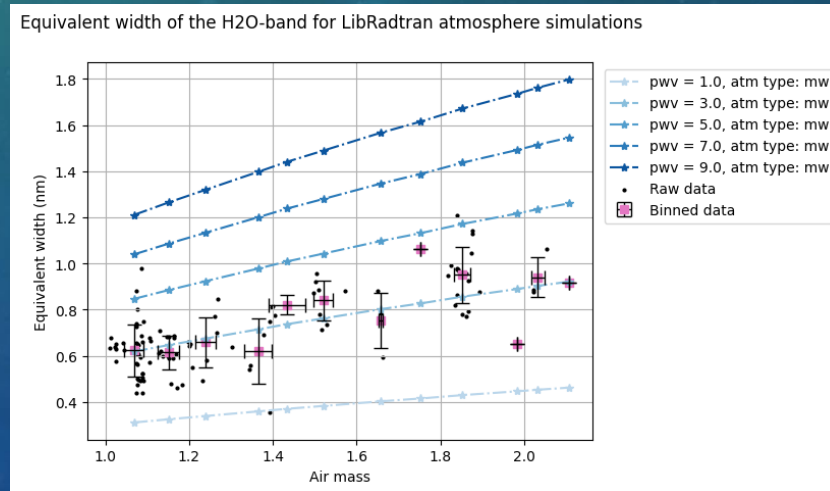
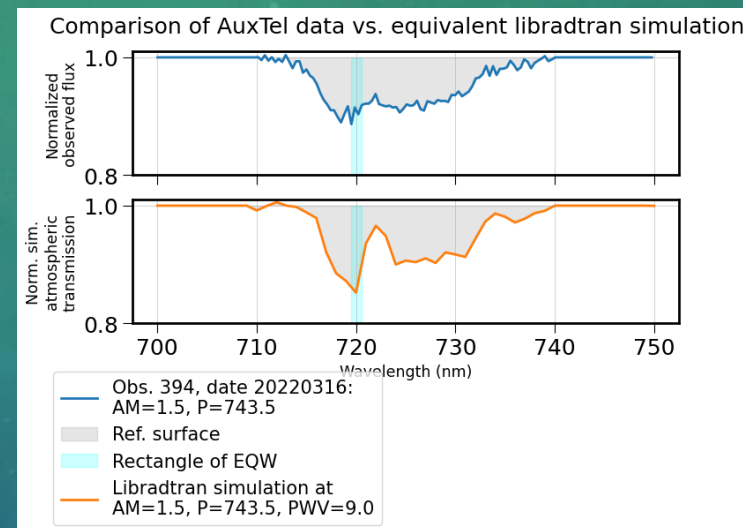
PHD SUBJECT

What's approved on ADUM



Galaxies' photometric redshift estimation in the LSST survey

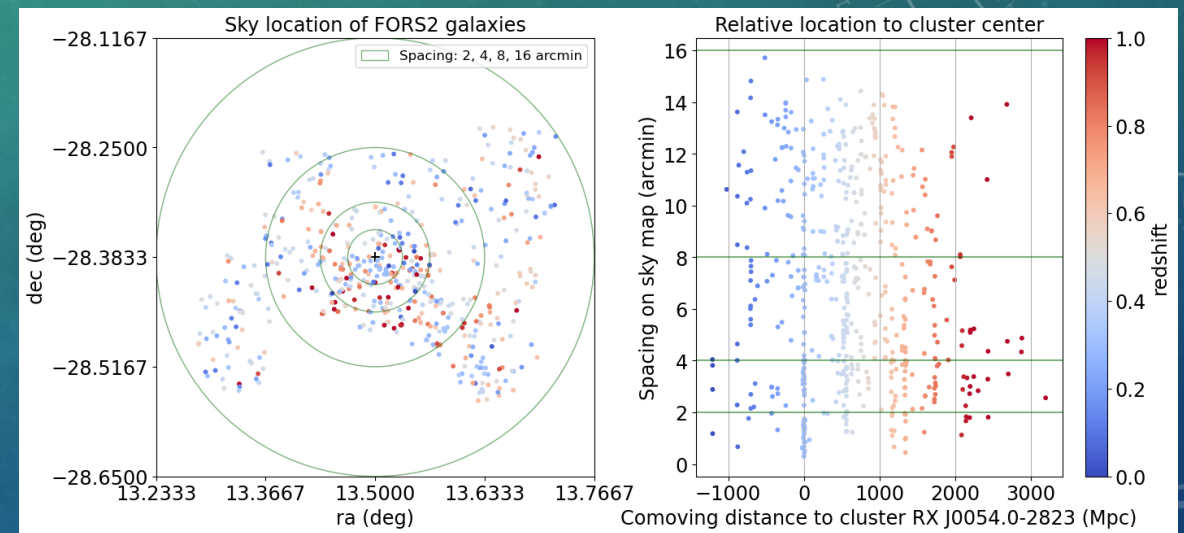
What I did in the first months



Precipitable water vapor quantity measurement via the equivalent width of the 720nm absorption band

DEC. 2022 / JAN. 2023

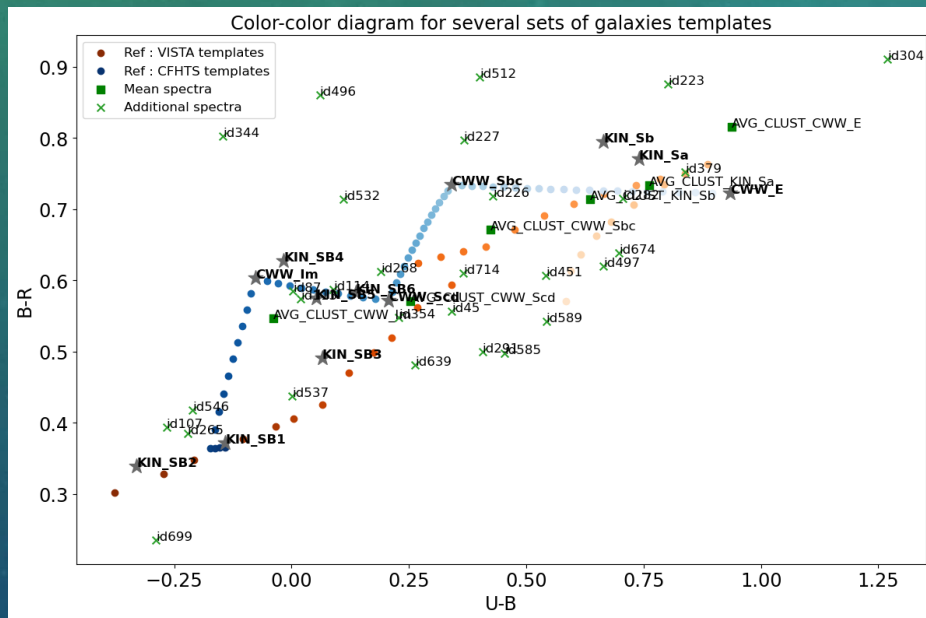
- Chat with a team from Montpellier at LSST-France :
 - They have : data and the aim to use them for *photo-z*
 - I have : a need to fuel my PhD work
- « FORS2 » project since then, and it has evolved a bit !



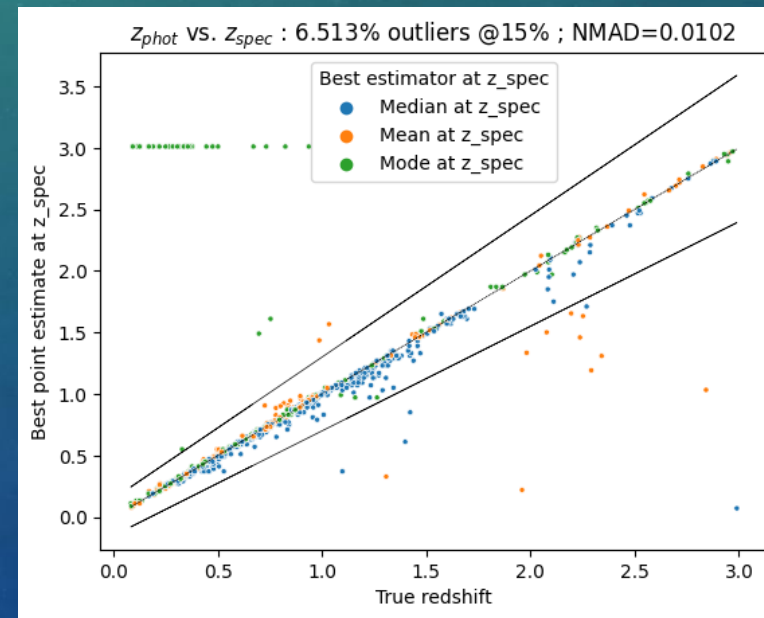
Your team's immediate interests might not align well with your own in 3 years time. But some external people might bring something to the table that will 😊

PHOTO-Z WITH FORS2

Few months ago : trying to figure out how to use the data



Now : created my own photo-z code that offers deeper understanding on how to make the results look like this (or better !)



TEACHING ASSIGNMENT @ IUT D'ORSAY

- 32h in 2022/2023
 - Maths for 1st year students
 - Dev project for 2nd years
- 32h in 2023/2024
 - Probabilities for 2nd years

One of my favourites things in the PhD



* What my mum thinks I do | ...society... | ...my girlfriend... |
...my supervisor... | ...my students... | what I really do.

BUT THERE ARE OTHER THINGS YOU CAN DO !



Event for 9-10 y.o. pupils at Médiathèque de Massy,
presenting various physics experiments

However, there is not time to do it all...

If such things are of interest :

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LIFE OUTSIDE THE LAB...

... is not to be neglected !

- For outdoorsy people, Vallée de Chevreuse is a nice place to explore and there's climbing on the viaduc
- Cinépal has a student discount (regardless of age...)
- Orsay swimming pool too ! Open at lunchtime
- Many sports clubs and associations (Uni or not)
- Social events by PhD students, for PhD students

→ *Good spirits throughout the year !*

