



Athena School 2022

Recherche



Presentation

By the participant



The Team



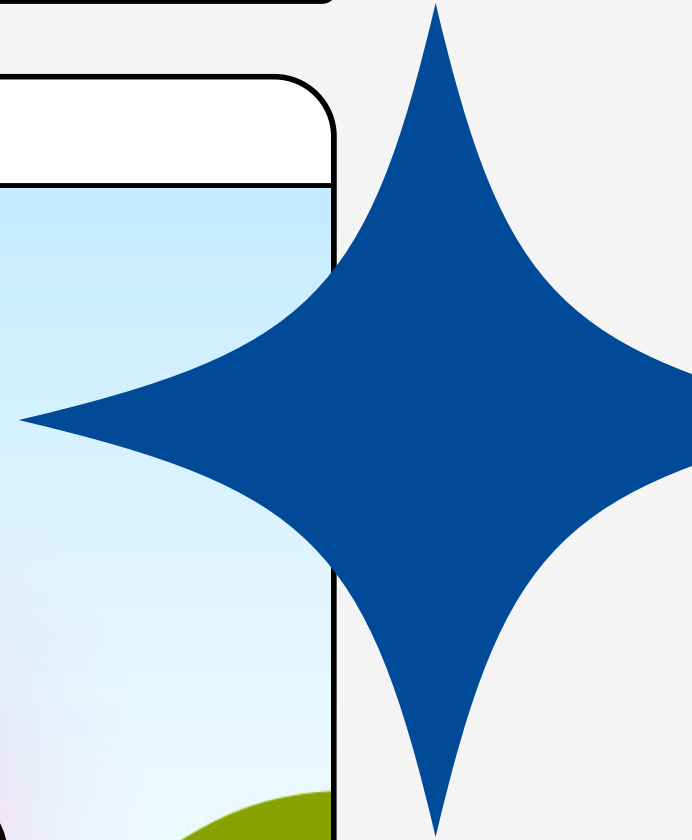
✕ □ — Stefania Amodeo



✕ □ — Leila Godinaud



BETTER IN PERSON



It's not our first meet ! 🔍



Leïla

Stefania

Barcelonette, December 2021, AstroInfo school



Stefania

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All you wanted to know

About Stefania



She comes from the mountains of south Italia (near Napoli)



She made her thesis in the observatory of Paris about scaling relations in galaxy cluster (short version)



Currently she is a Post-Doc at Strasbourg. She did a first Post Doc in New York State.

Recherche

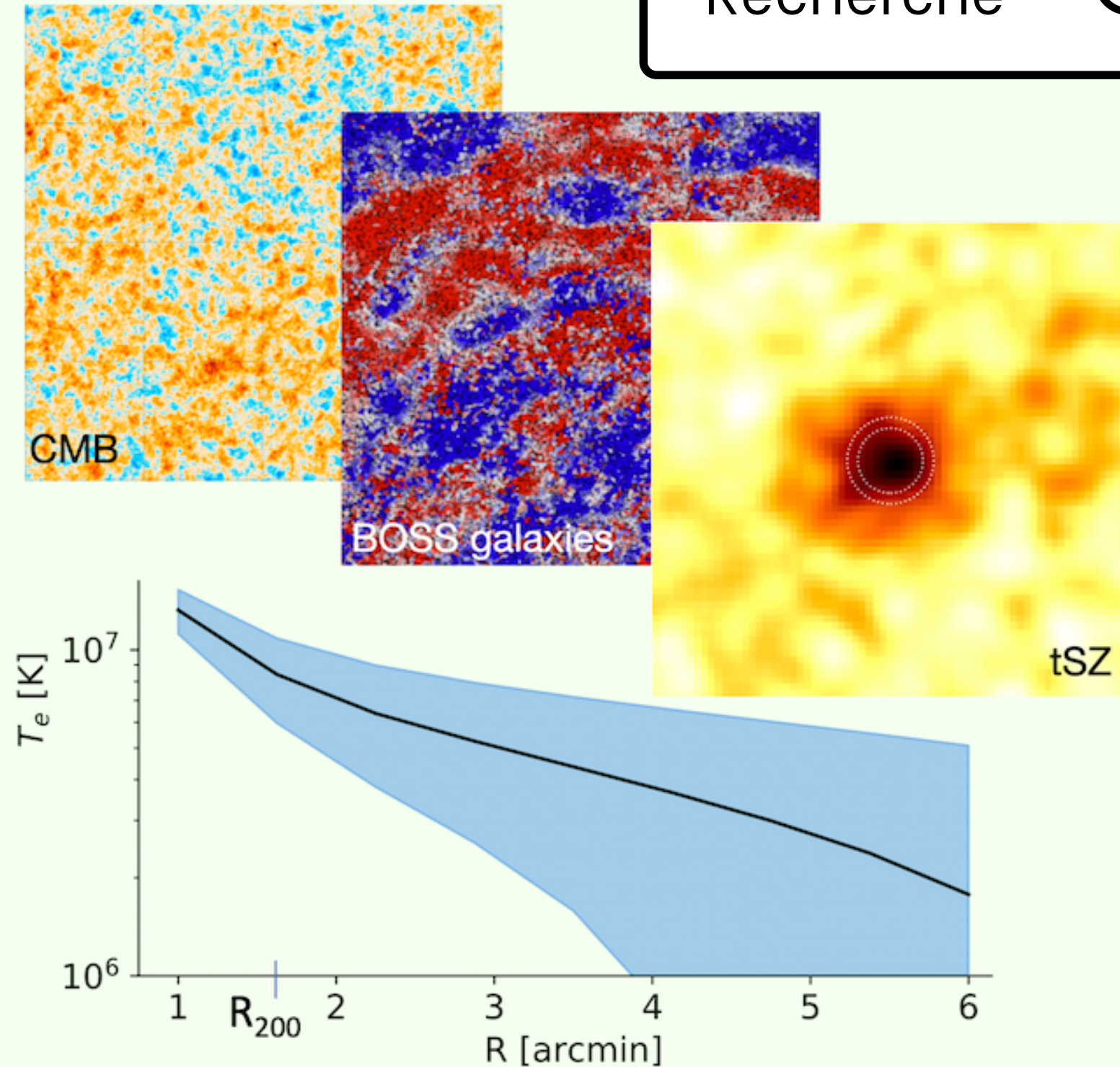


She works on ...



She uses the Sunyaev-Zeldovich effect in the intra cluster medium to study the thermodynamical properties of galaxy groups and clusters.

To this hand she uses sub-millimetric and micro-wave data.



ACT+Planck CMB: Naess et al. 2020
BOSS galaxies visualization and tSZ stacked map: Schaan et al. 2021
Temperature profile: Amodeo et al. 2021

She also works on ...

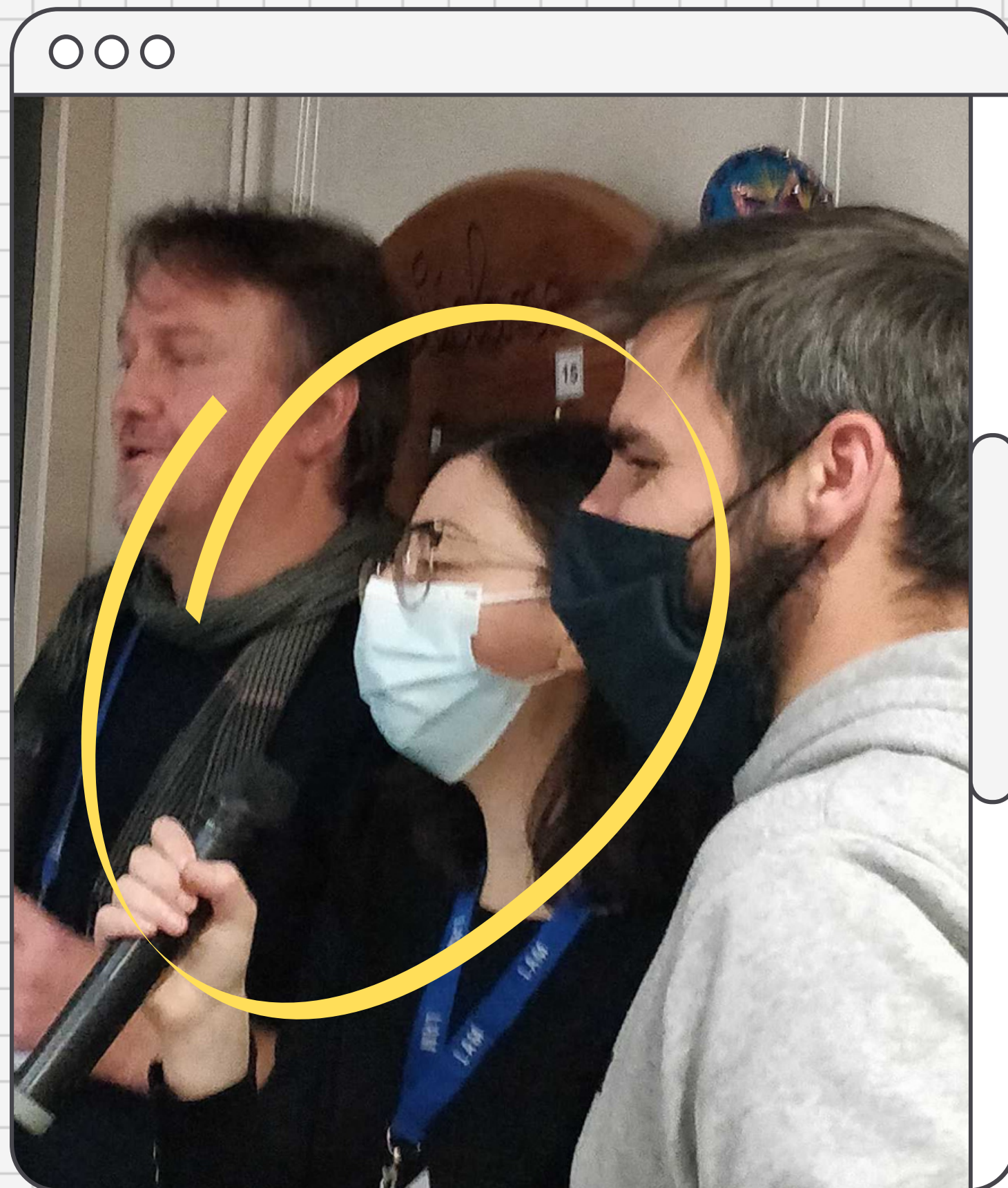
The **data bases center** of
Strasbourg (CDS) for :

- astronomical objects
(SIMBAD)
- catalog for published articles
(Vizier)
- interactive sky atlas
(ALADIN)

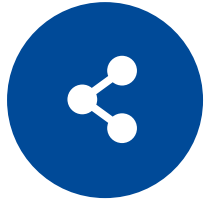
Why Athena ?

Strong **complementarity**
between SZ effect (mm
observations) and X rays data.

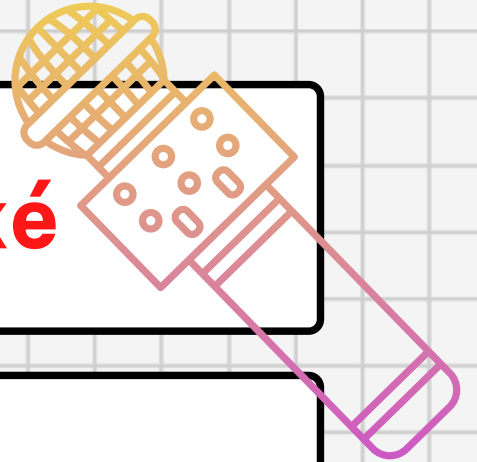
The **spectral resolution of
Athena** will provide
temperature in the outskirts of
clusters.



Other important things



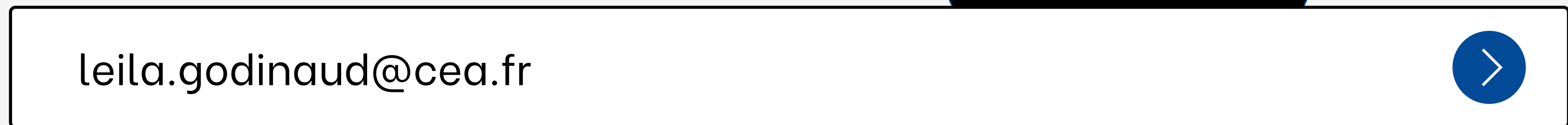
+ She is too motivated for **Karaoke**



+ She will be in EAS meeting at Valencia with goodies from the data base center !

+ She loves to travel (and do a lot of conferences to present its work) so perhaps you will see her again

+ She was in a group of tradionnal Italian danse



All you wanted to know about Leïla



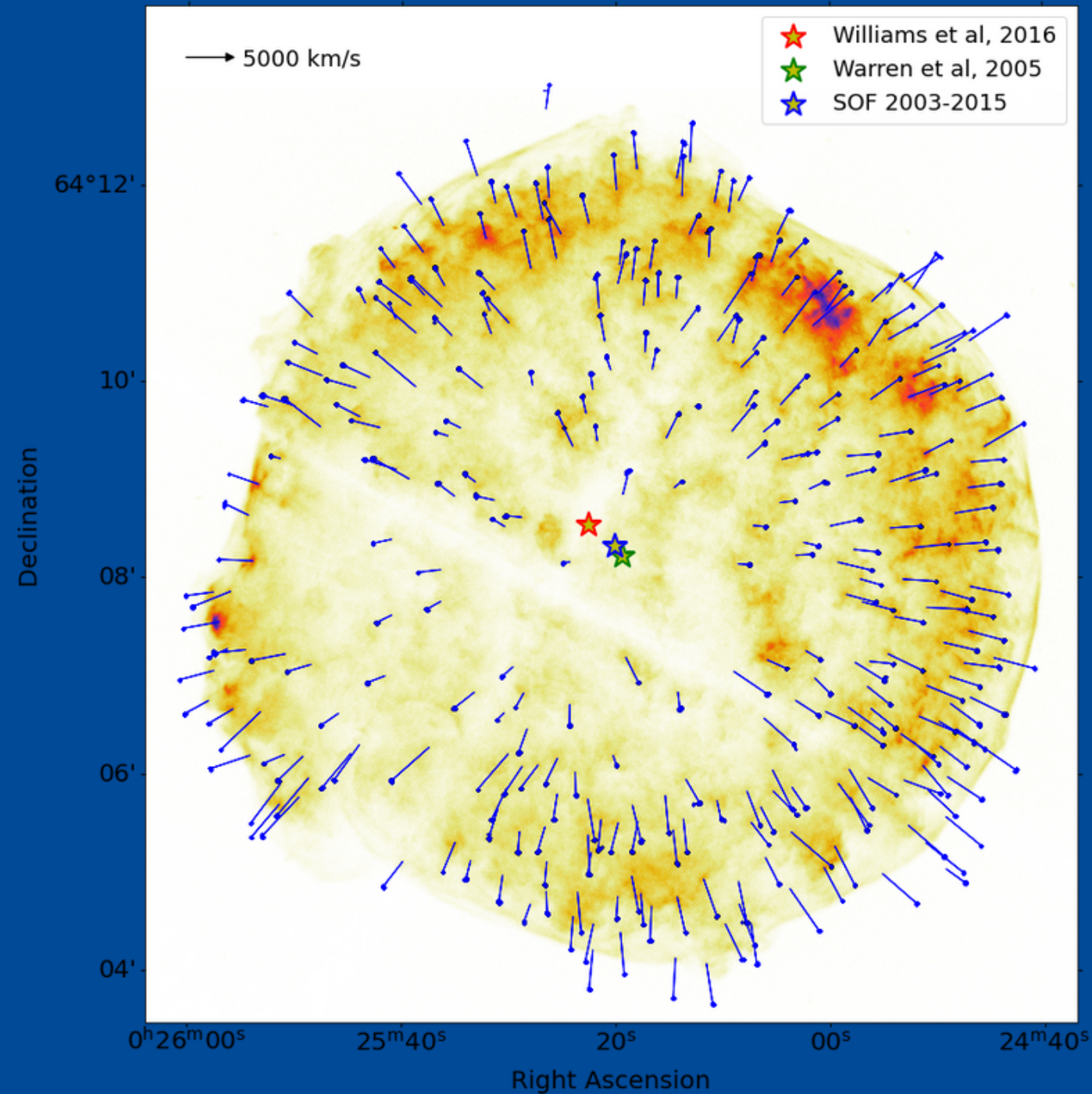
▶ She is a 1st year PhD student in CEA Saclay

▶ She is from Auvergne and she moved for her studies to Clermont Ferrand -> Paris-> Strasbourg-> Paris

▶ Next week at EAS she will give the first talk of her career, for the 450 Tycho's anniversary! Find her in SS17

▶ She loves climbing, travelling, and she will never say no to chocolate!

She works on ...



The Tycho Supernova Remnant

She analyses the dynamics of the SNR ejecta in 3D

using Chandra data

in order to study the asymmetries and get better constraints on the explosion model and on the SNR progenitor

Why Athena



The Tycho Supernova Remnant

As part of her PhD thesis,
she plans to test this analysis on
Athena X-IFU simulated data

Looking to improved measurements
on a decomposition tool (GMCA)
and on the 3D velocity



Thanks !

Any questions ?

