ASTRON

Netherlands Institute for Radio Astronomy

Concluding remarks - (highlights!)

- Mike Garrett

General & Scientific Director, ASTRON

Also affiliated with Leiden Observatory.

#radsurveys15 - twitterverse

Acknowledgements:

Kyle Willett @kwwillett · 49m

Amy Kimball @amyekimball · 1h

Imogen Whittam @imogenwhittam · 17h

Every conference should have classical music interludes!

Jonathan Zwart @brideyrevisited · 2h

#radsurveys15 continues, now that the music has stopped.

Every conference should have this standard of cakes !

ASTRON @ASTRON_LOFAR · 1h

We are going to miss these... at #RadSurveys15

#radsurveys15 - twitterverse

Sam Lindsay @SamNLindsay · Oct 20

Reason to miss being an astronomer: I could have been in Bologna this week for **#radsurveys15** (they are legit totally rad btw)...

Quotations

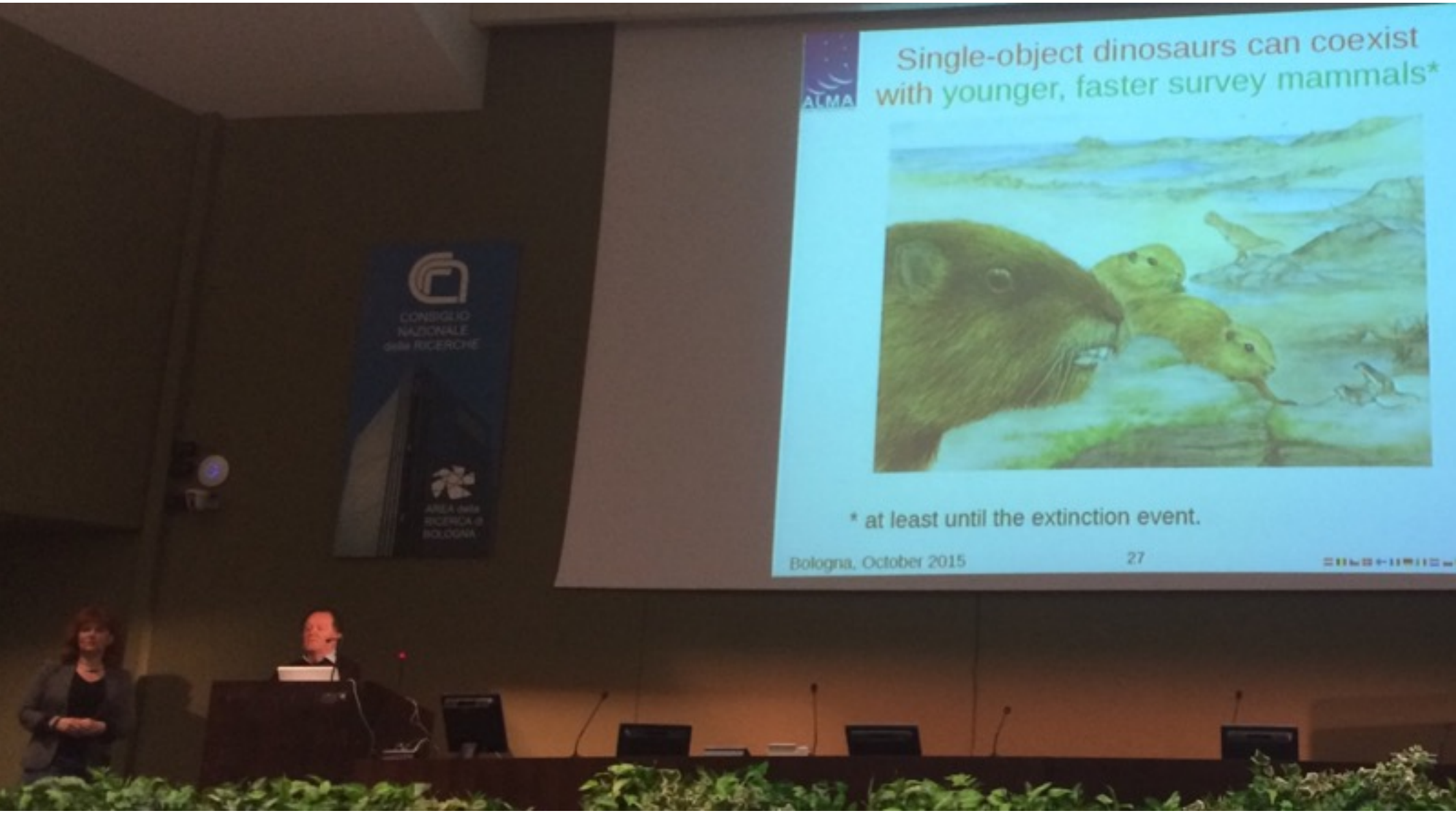
"There's nothing so useless as a radio source"

- attributed to Jim Condon

"We don't need the SKA. Resolution kills." - Jim Condon.

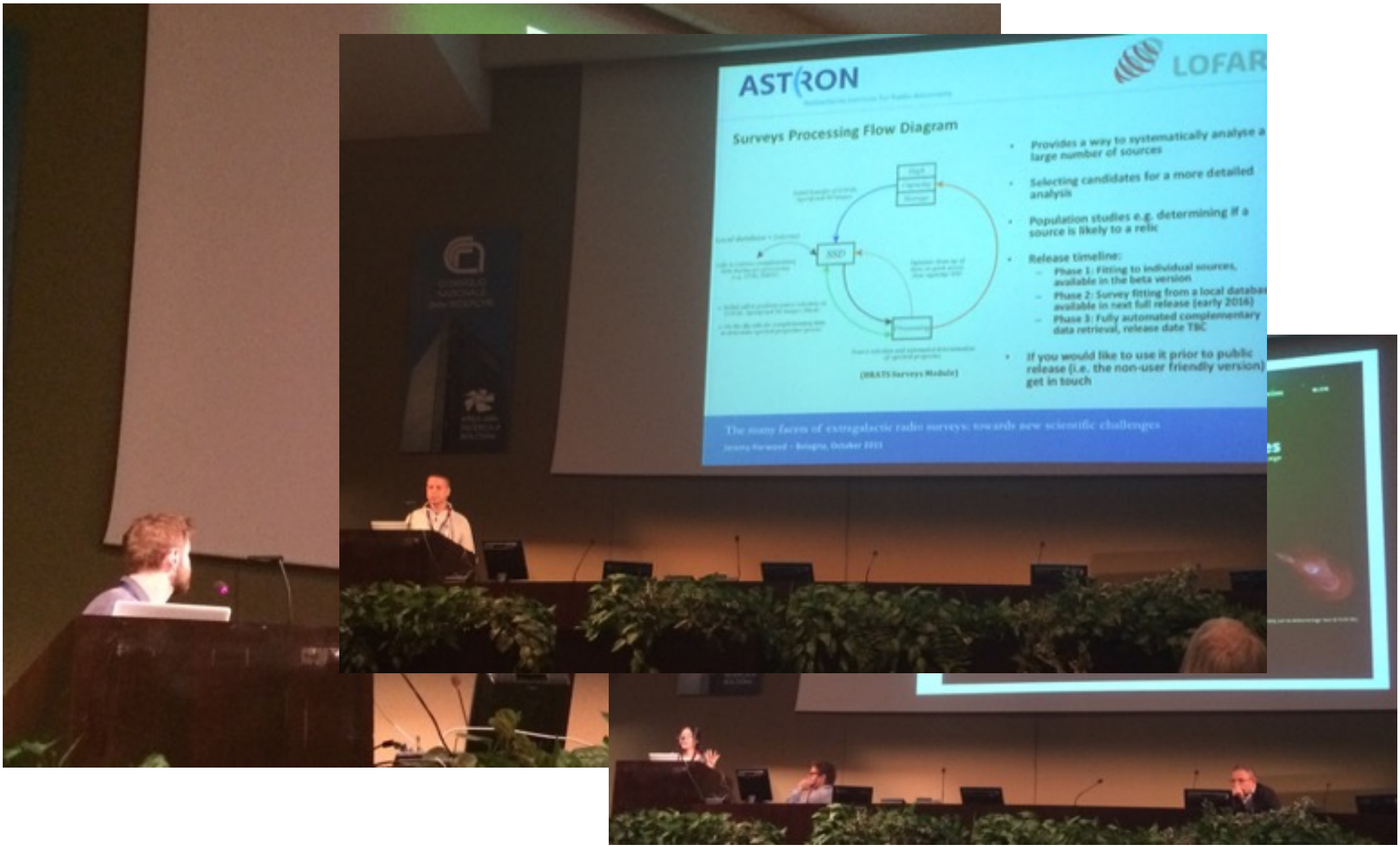
"1% populations are extremely valuable for defining physical frameworks. Surveys should make efforts to find them" - *G. Helou.*

Robert Laing:



Radio Galaxy Zoo & BRATS

Kyle Willet and Minnie Mao, Jeremy Harwood



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"The SKA will be 100x faster than the WSRT in HI - HALOGAS in 1 hour!" - Tom Oosterloo.

Good advice ?

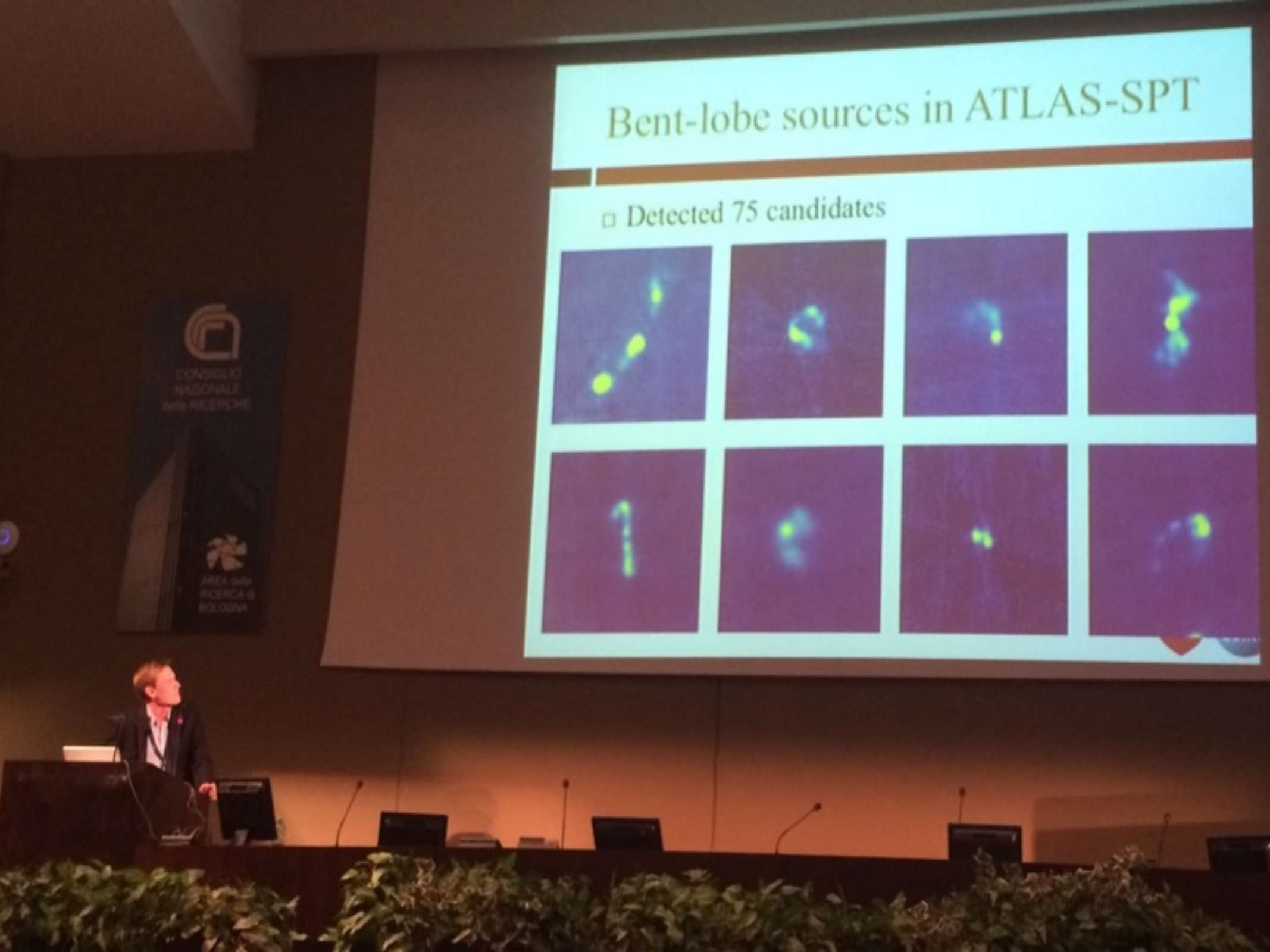
"Radio astronomers should worry more about the fidelity of their images and less about dynamic range…"

- Preshanth Jagannatha

"Quantity needs quality" - Jim Condon

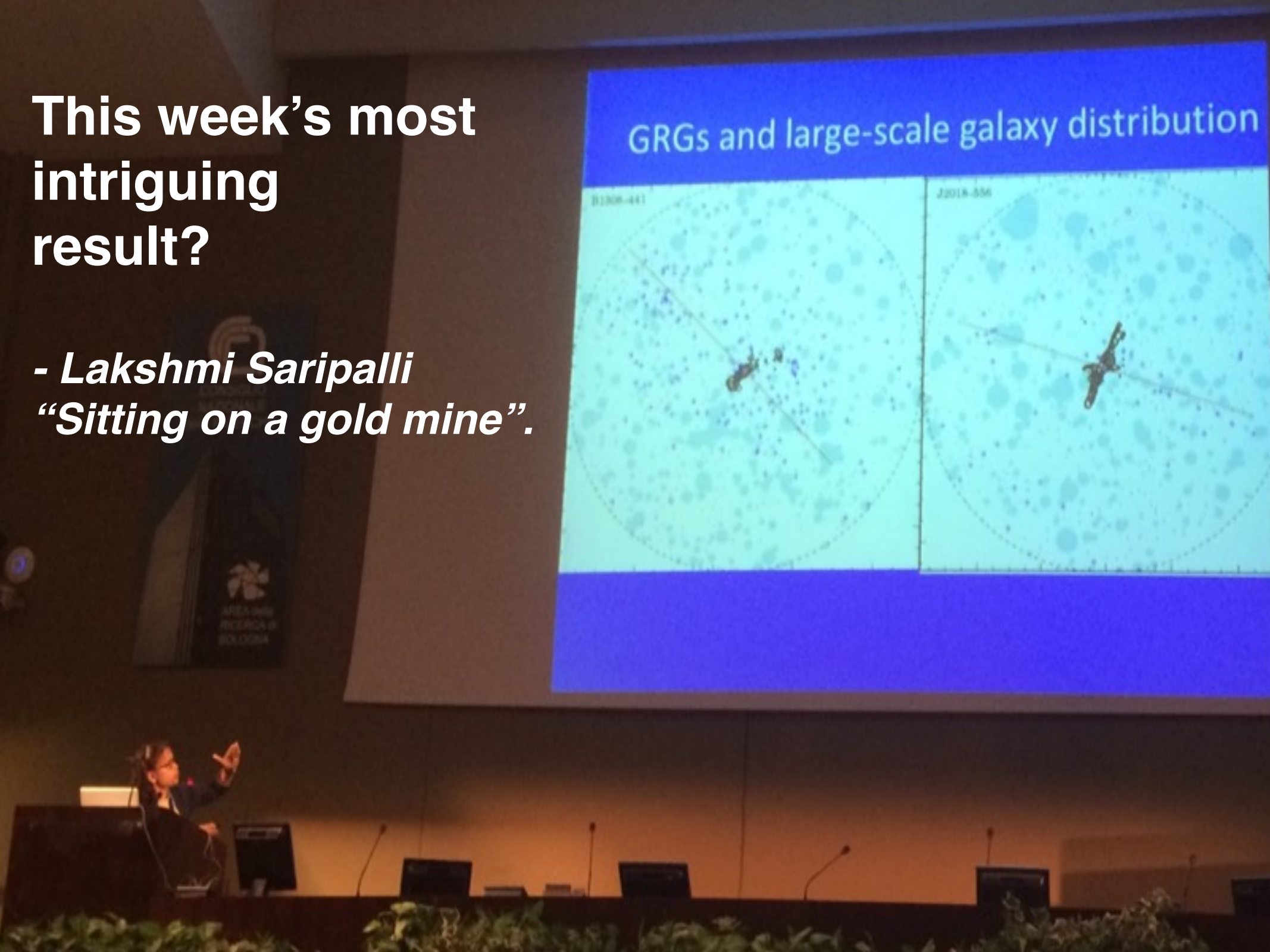
"We should stop detecting galaxies!" - Mario Santos.

"Don't do a Large-Scale-Survey at this frequency with this telescope!" - Andrew O'Brien.


Bent-lobe sources in ATLAS-SPT
Detected 75 candidates

This week's most intriguing result?

- Lakshmi Saripalli
"Sitting on a gold mine".

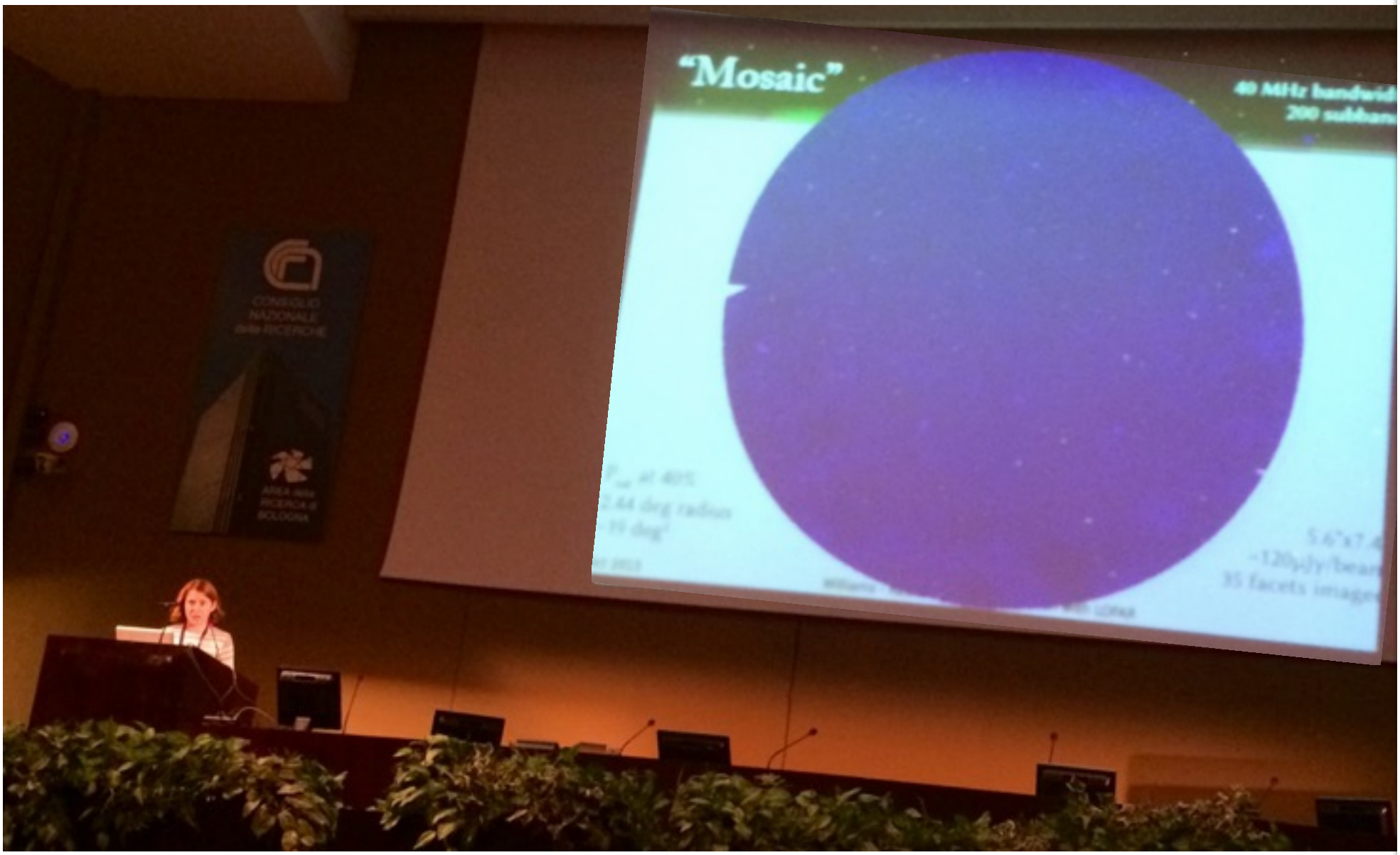


Good news!

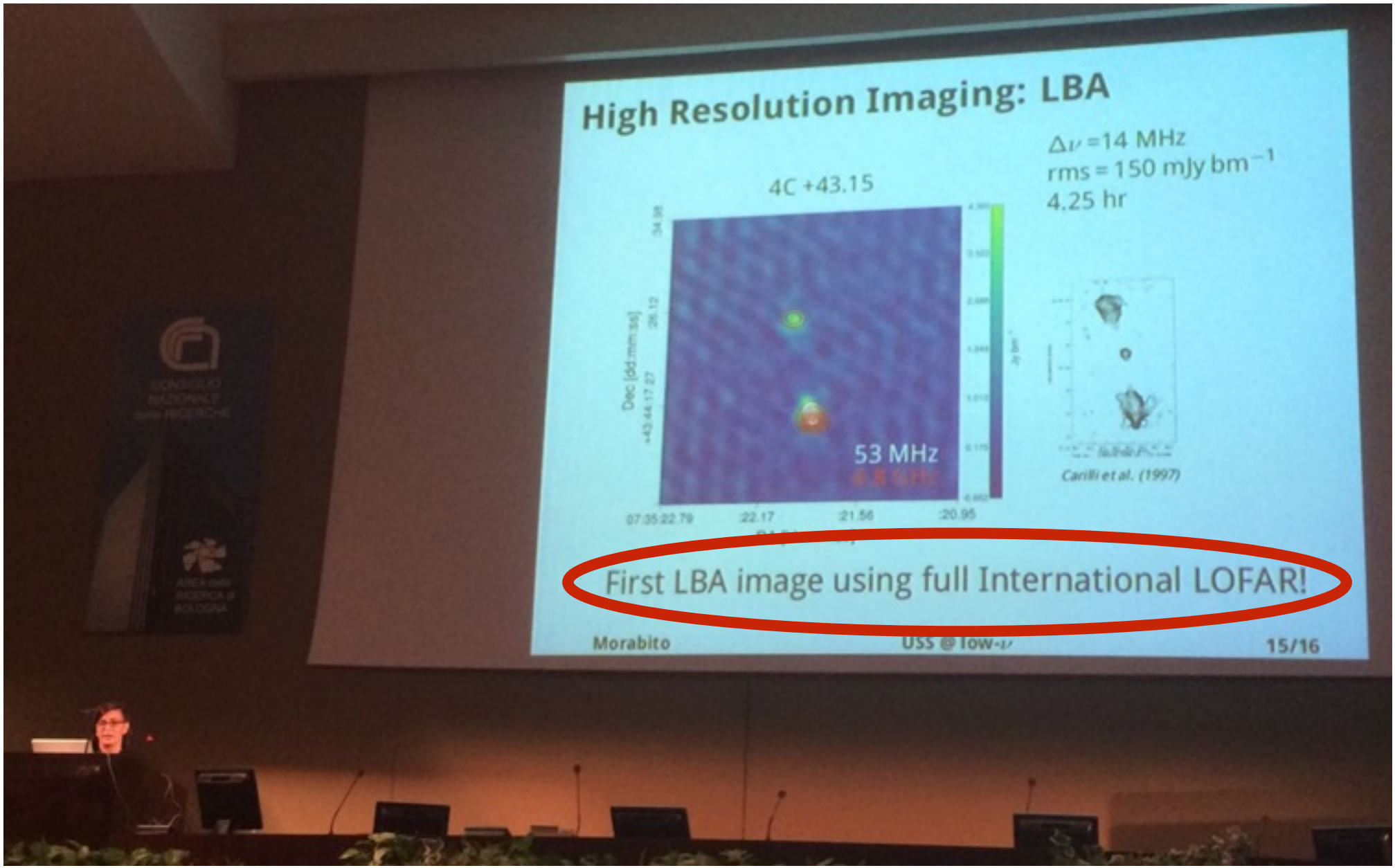

LOFAR is doing great!
A2034 (z=0.11)
Tim Shimwell
18.00s
12.00s
06.00s
10m00.00s
15h09m54.00s


"LOFAR is doing great!"
A2034 (z=0.11)
Tim Shimwell
D_A
C_A
C_B
C_C
30'00.0"
29'00.0"
28'00.0"
27'00.0"
26'00.0"
+33°25'00.0"
Dec (J2000)
18.00s
12.00s
06.00s
10m00.00s
15h09m54.00s
0.004
0.003
0.002
0.001
0.000
0.000
-0.00

Wendy Williams



Leah Morabito



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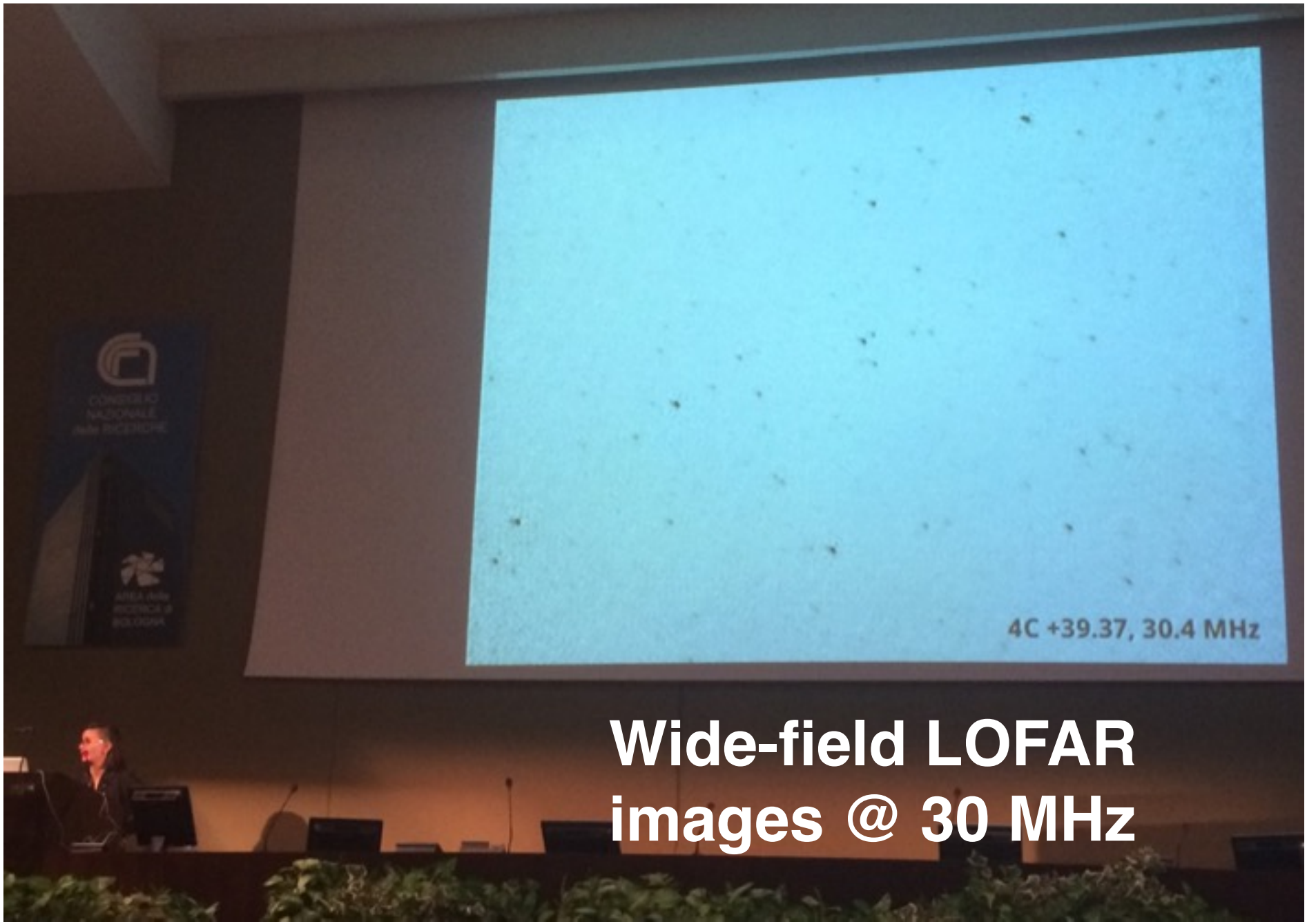
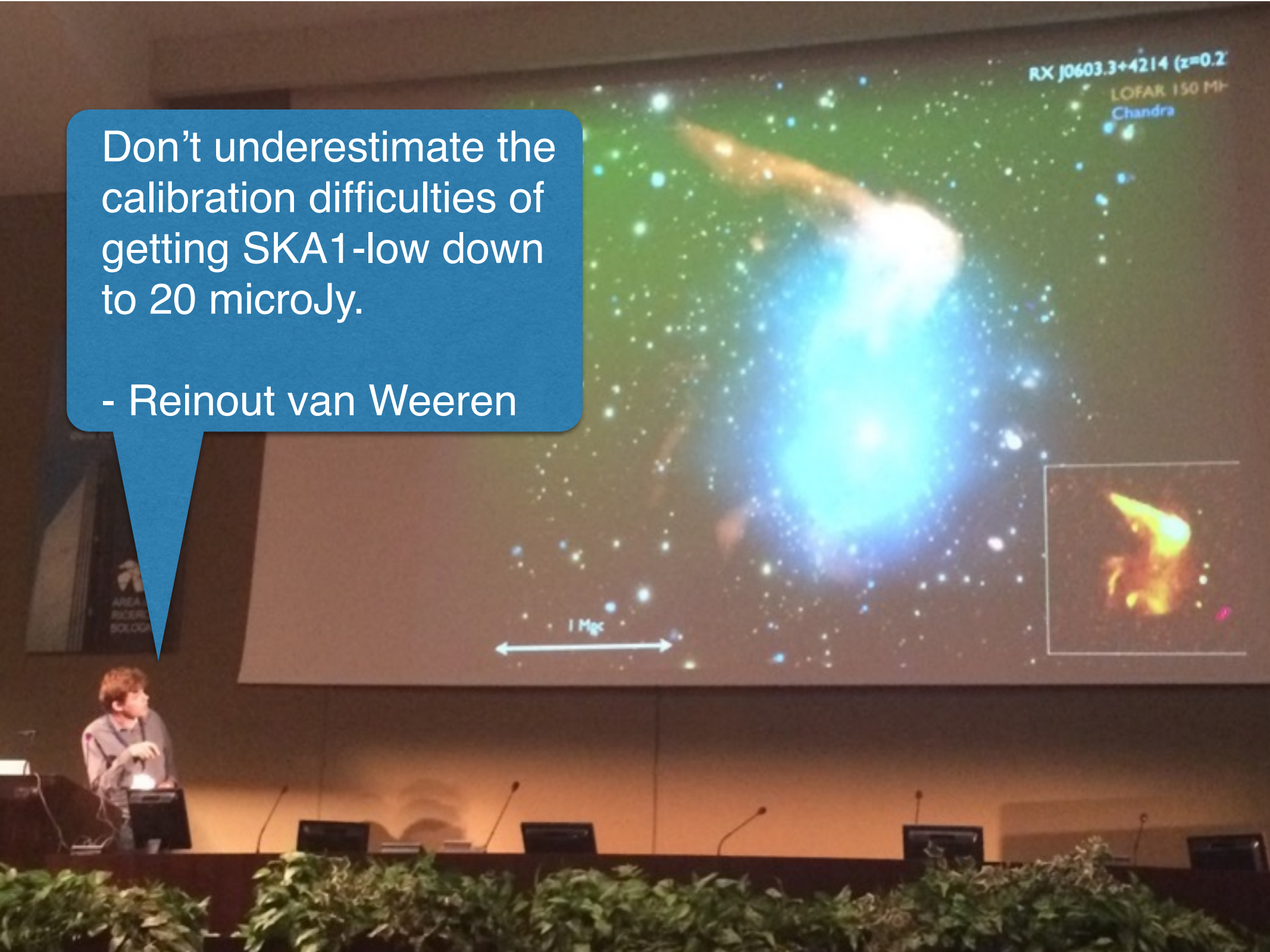
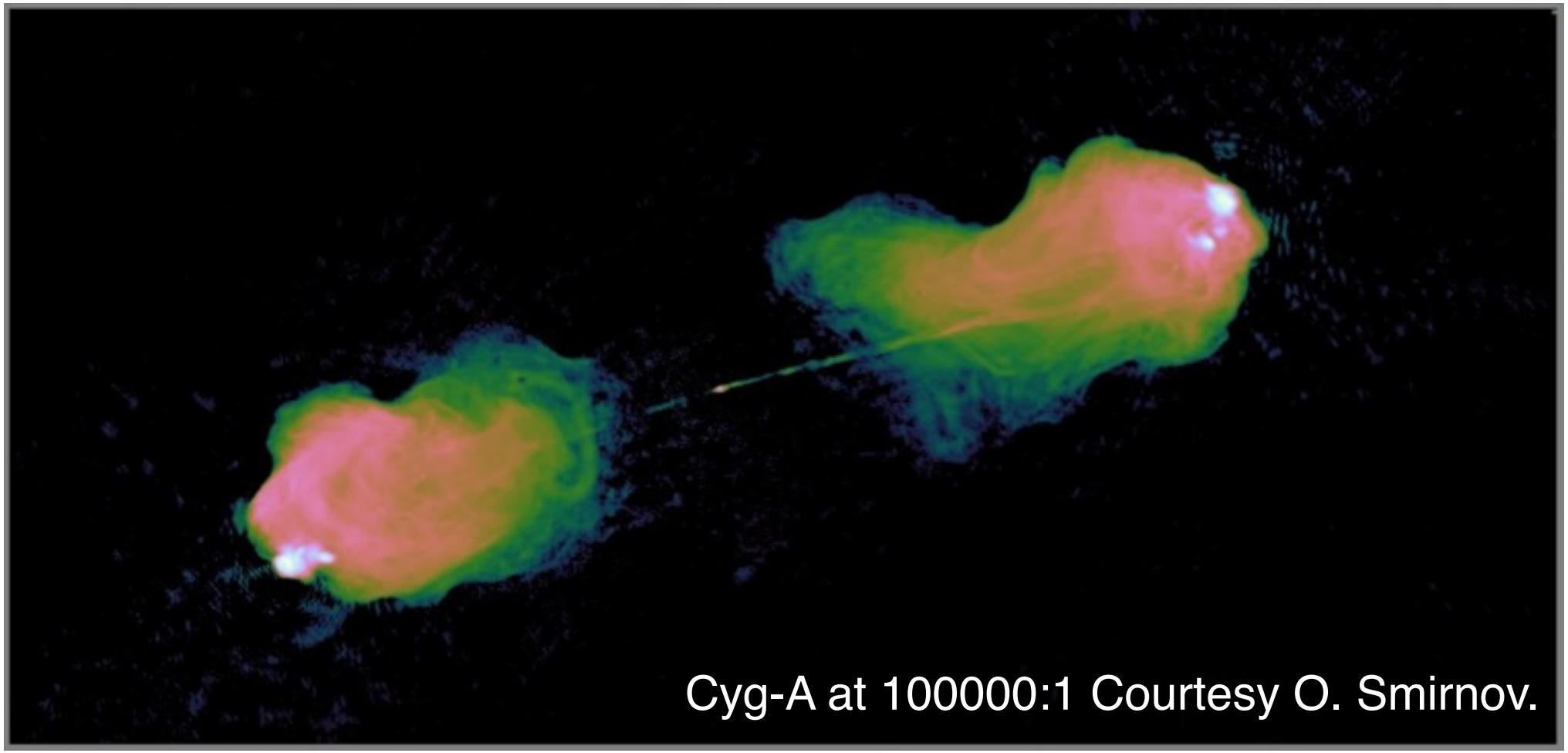
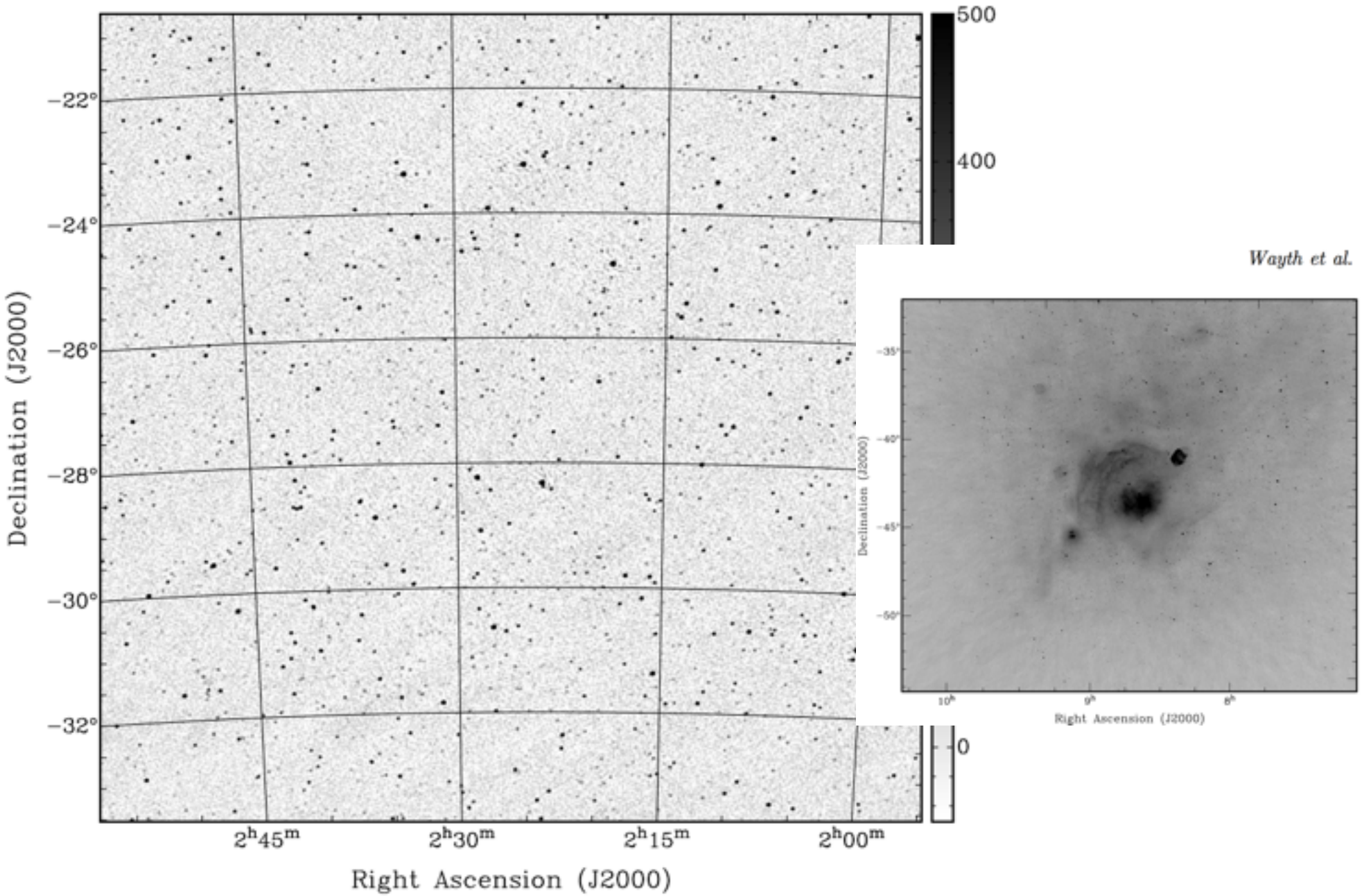



Don’t underestimate the calibration difficulties of getting SKA1-low down to 20 microJy.
- Reinout van Weeren
RX J0603.3+4214 (z=0.2
LOFAR 150 MH
Chandra
1 Mpc

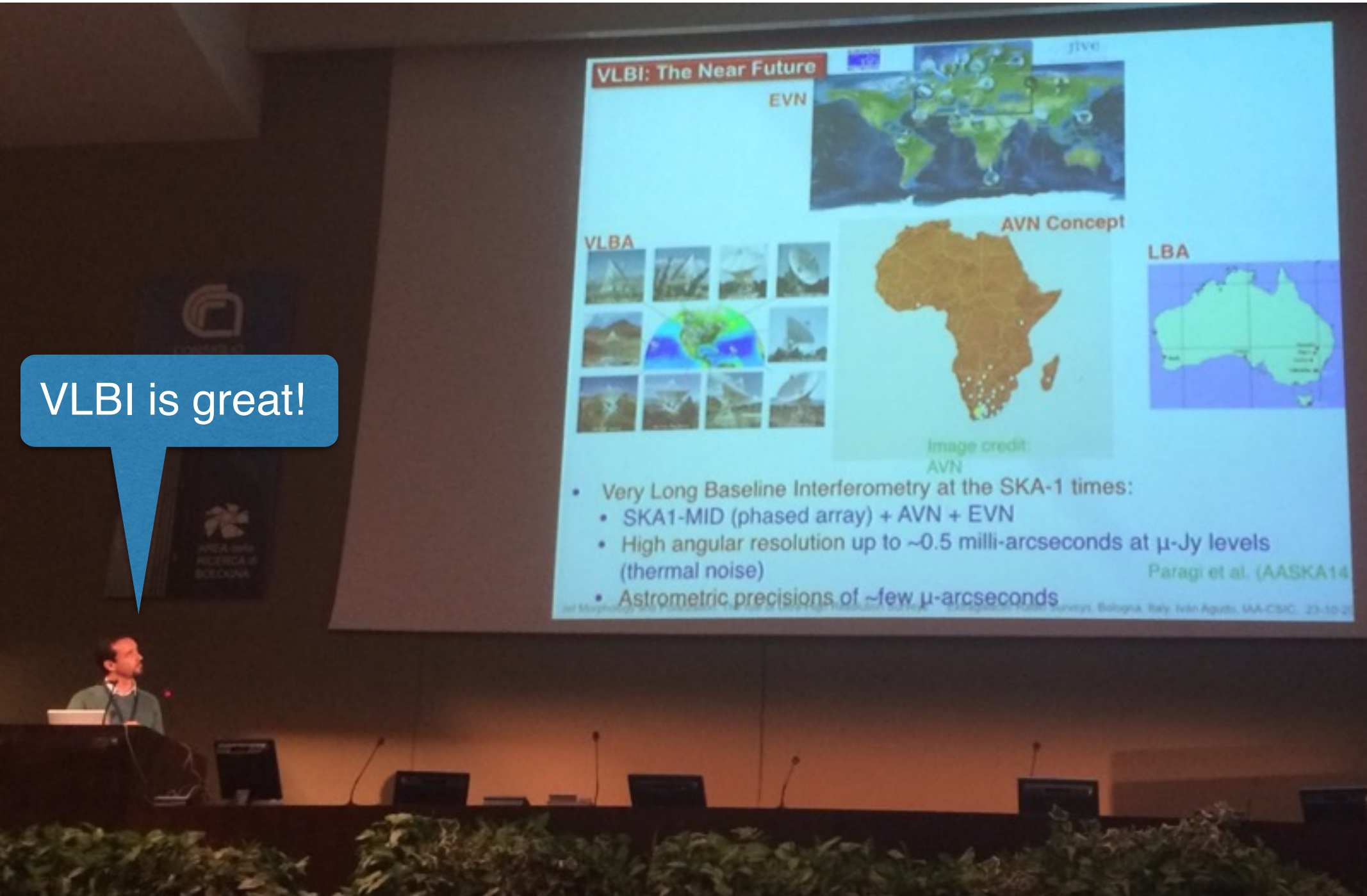
LOFAR 3G calibration now being applied to JVLA data:



MWA and GLEAM (Carole Jackson, Tom Franzen)

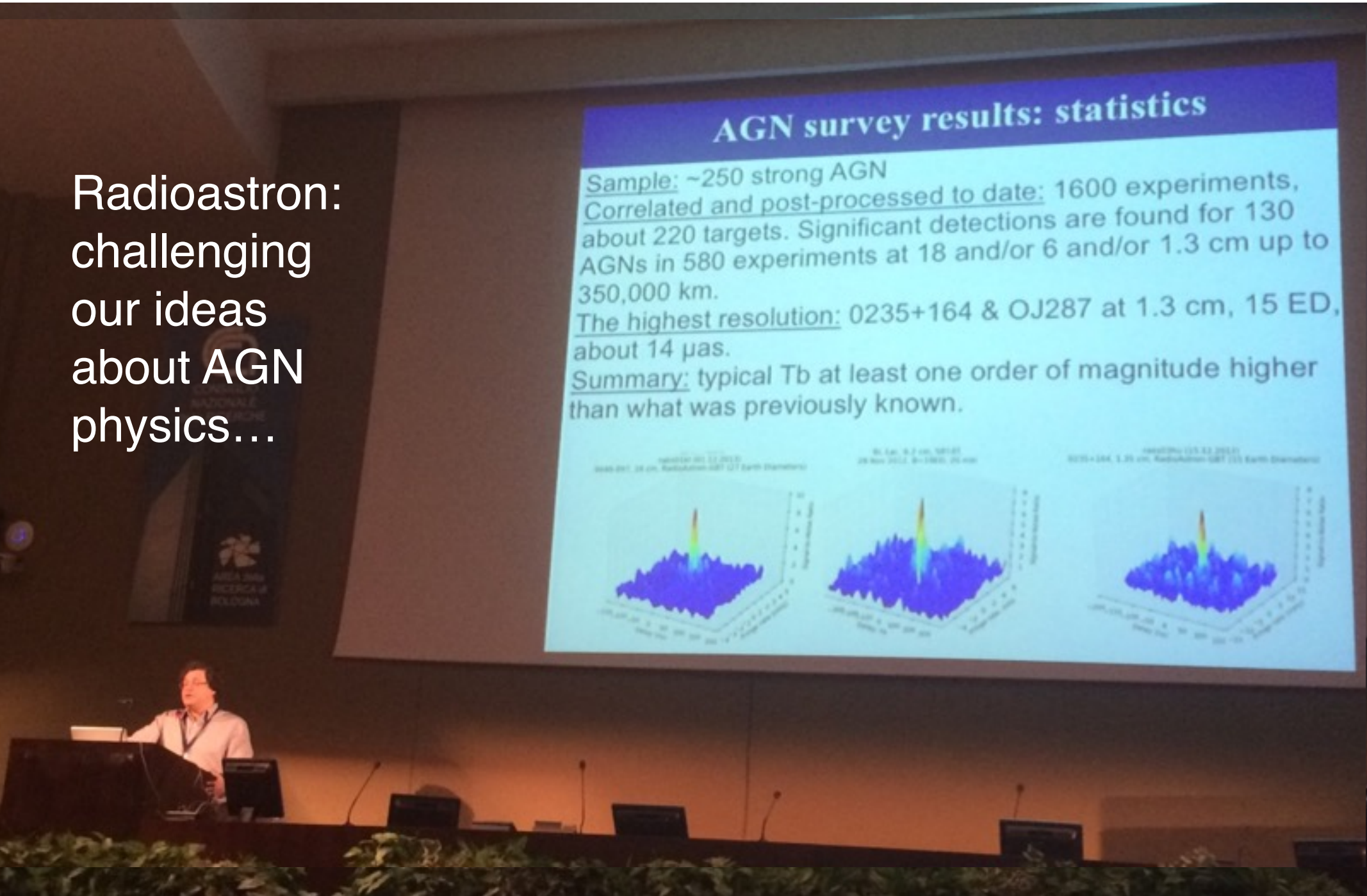


VLBI - Ivan Aguido, Yuri Kovalev



VLBI - Ivan Aguido, Yuri Kovalev

Radioastron: challenging our ideas about AGN physics…



Acronyms - pushing the limits… :

Ruta Kale - MaDCoWS: Massive Distant Clusters of the WISE Survey

MaDCoWS

Ilse van Bemmel and 24 others follow

Ray Norris @RayPNorris · 2m

#radsurveys15 : @RutaKale names sources from MADCOWS surveys as MOO J0133-1057 :)

Acronyms - Prina Patel was pushing the limits… :

Prizes

Contrived acronyms - pushing the limits of decency… :

And the winner is: *Ray Norris - WTF!*

Kyle Willett @kwwillett · 1d

WTF = Widefield ouTlier Finder. @RayPNorris pushing the limits of acronym etiquette. #radsurveys15

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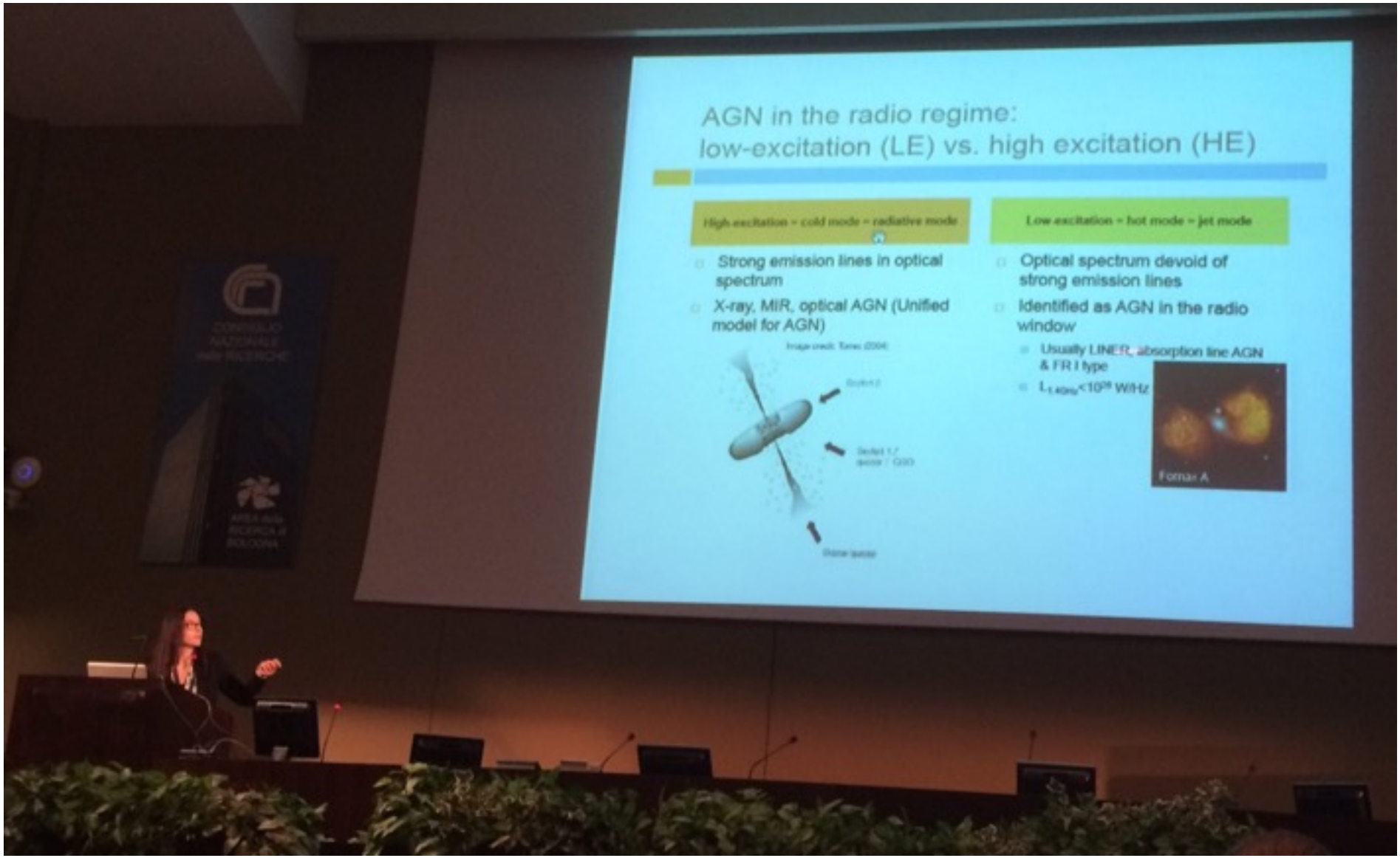
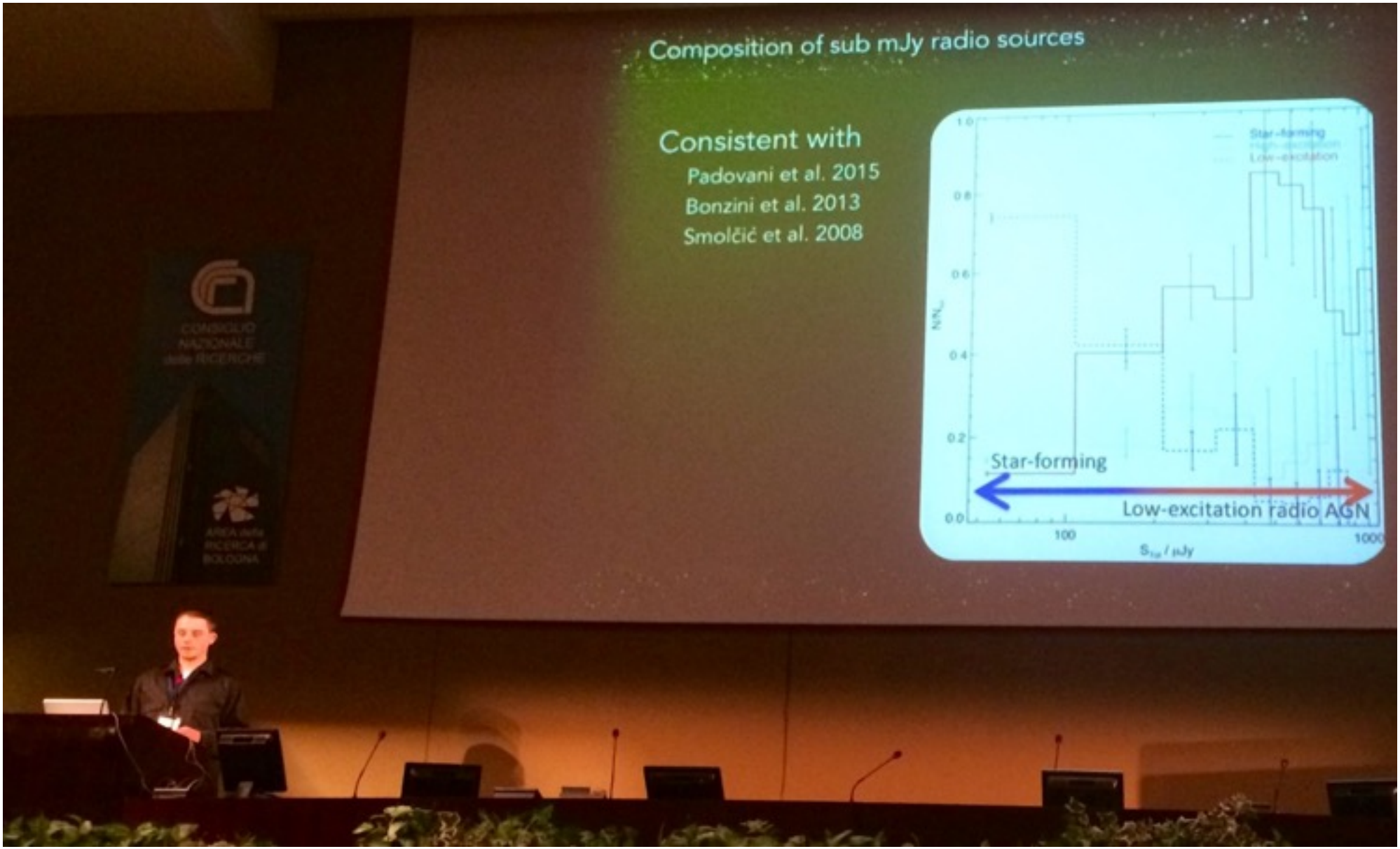
Inspiring Talks #1

AGN evolution - Vernesa Smolcic et al.

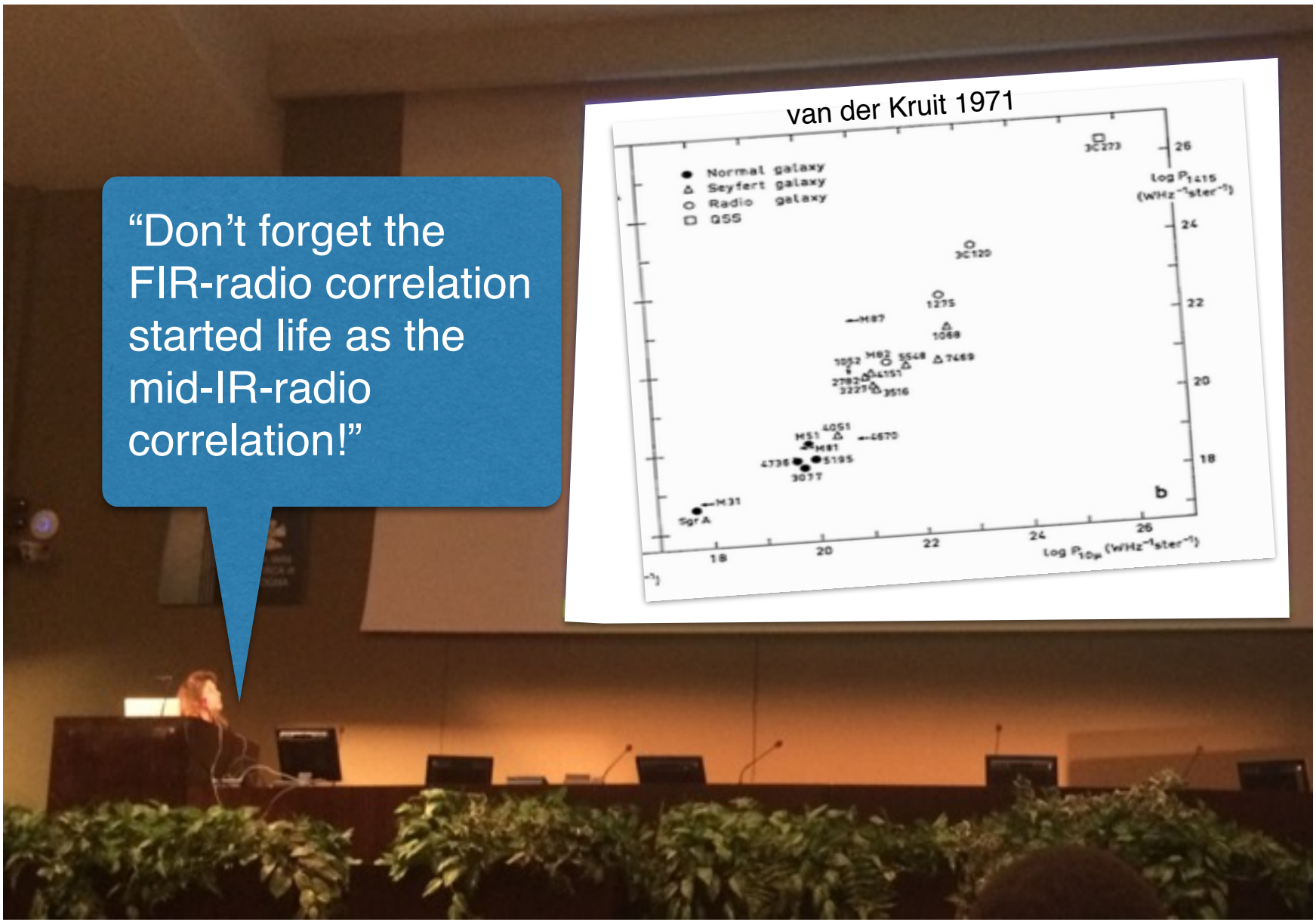


Radio excess seen in LERGs - Nikola Baran, Claudia Mancuso et al.

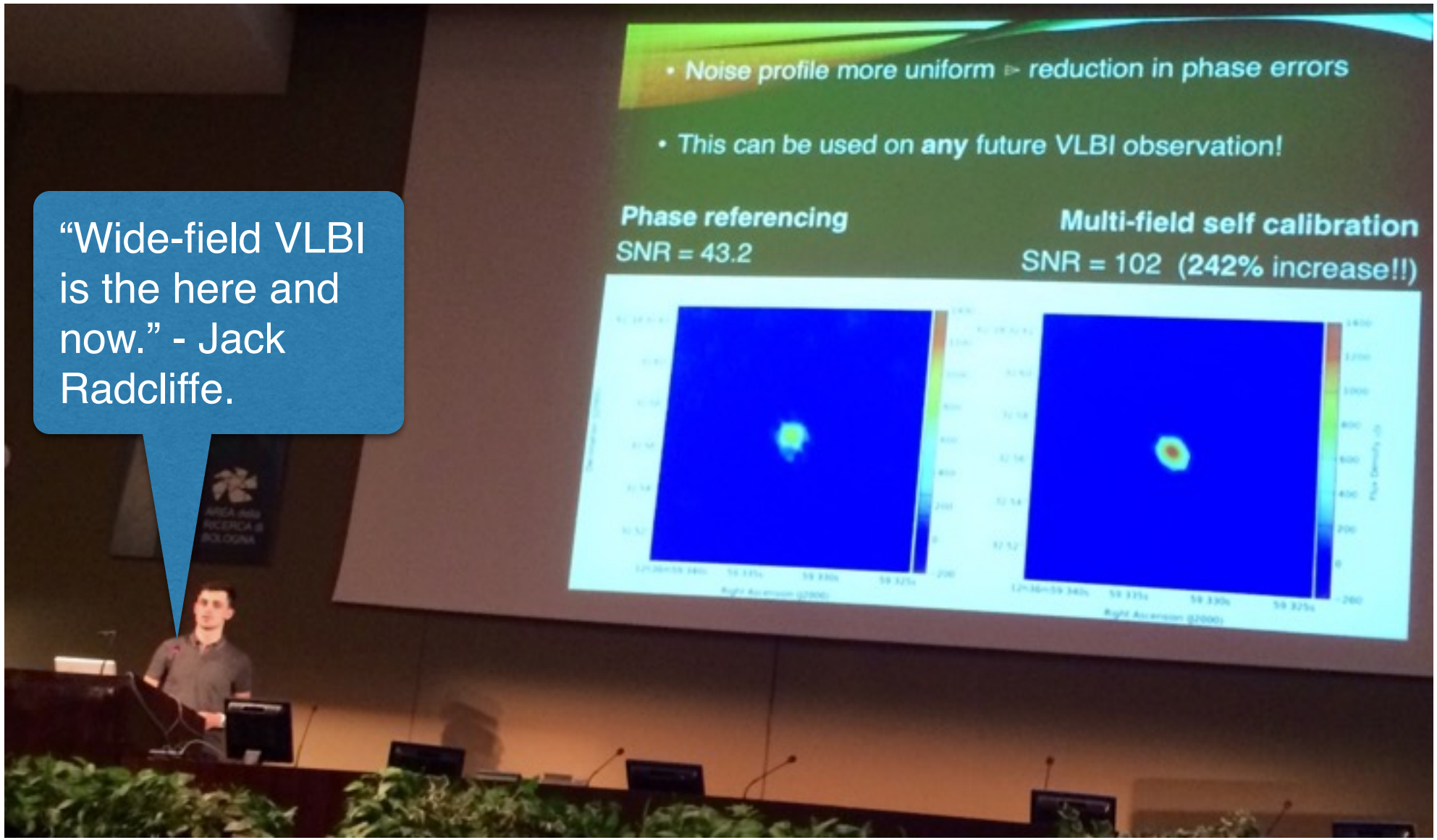


Best historical interjection:

Fatemeh Tabatabaei



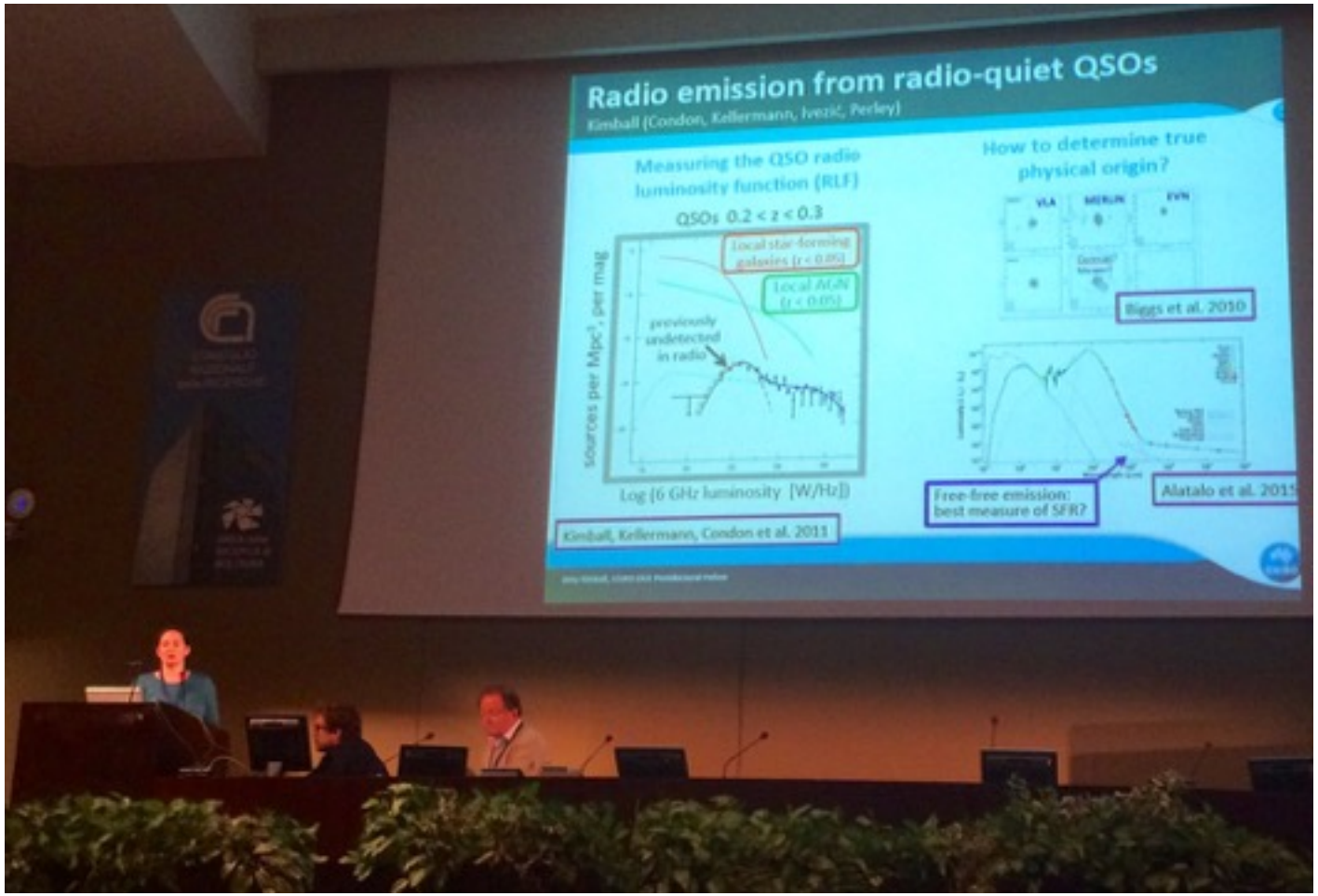
LERGs and deep, wide-field high resolution (VLBI) surveys e.g. Jack Radcliffe, Daria Guidetta et al.



Poster sessions were great!

Best Poster title:

And the winner is: *Amy Kimball!*



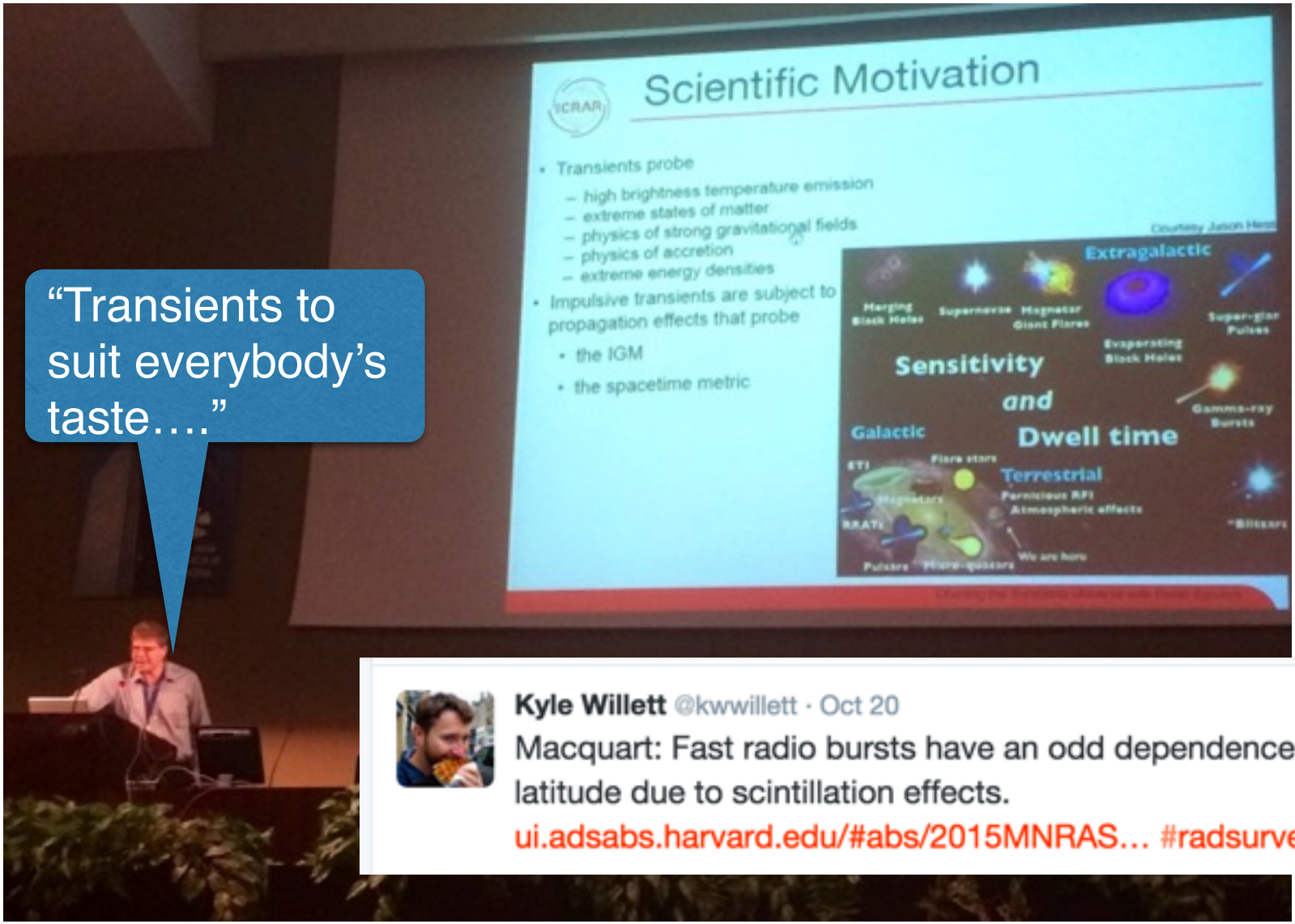
Tania Burchell and 9 others follow

Kyle Willett @kwwillett · 4h

. @amyekimball Poster #1: Radio emission from radio-quiet QSOs. She says the title is totally not an oxymoron. **#radsurveys15**

Inspiring Talks #2

“J.P.” Macquart’s Transient Cheese Shop…



Kyle Willett @kwwillett · Oct 20

Macquart: Fast radio bursts have an odd dependence on Galactic latitude due to scintillation effects.
ui.adsabs.harvard.edu/#abs/2015MNRAS… #radsurveys15

Hunting for missing baryons via FRB DMs

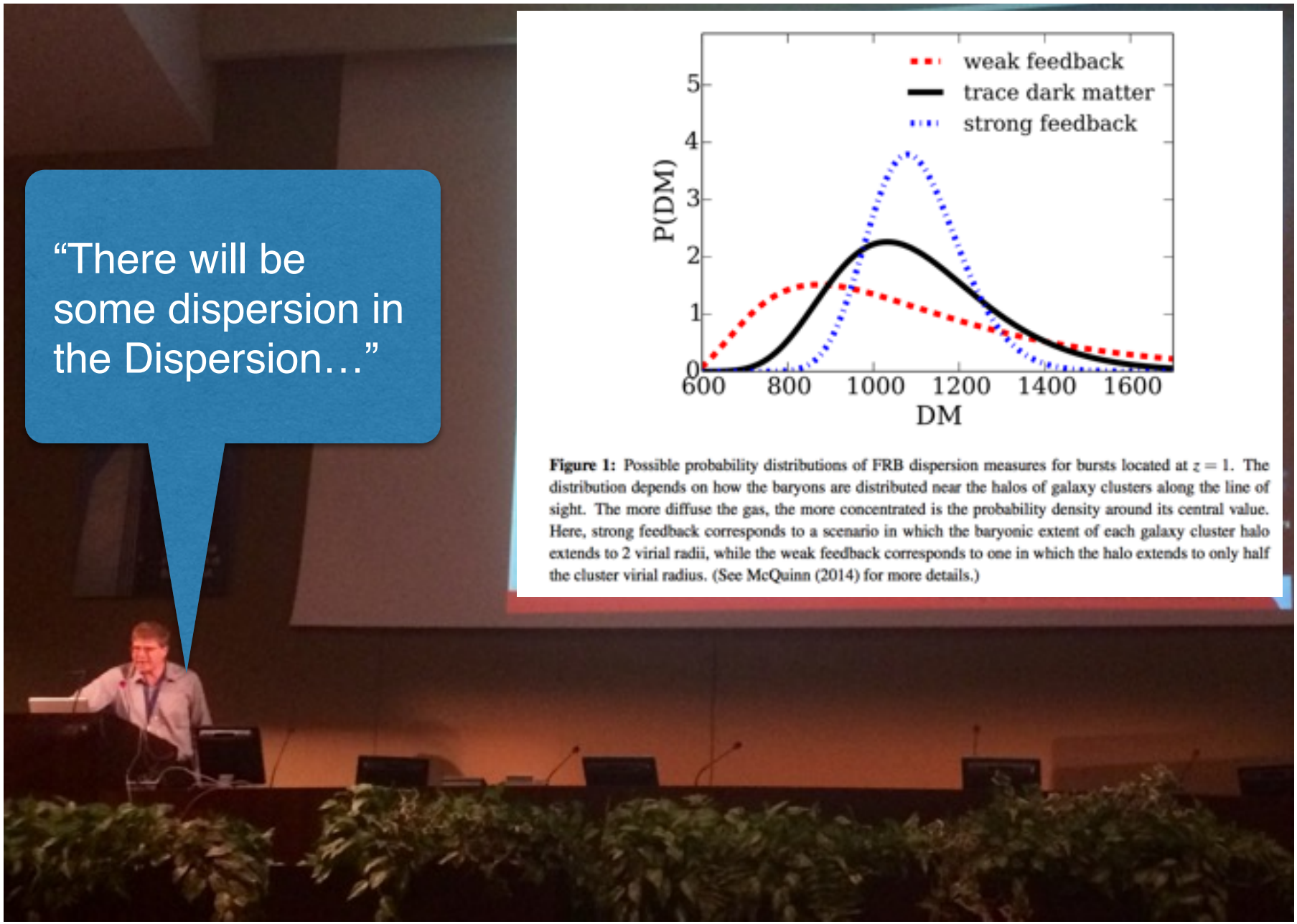
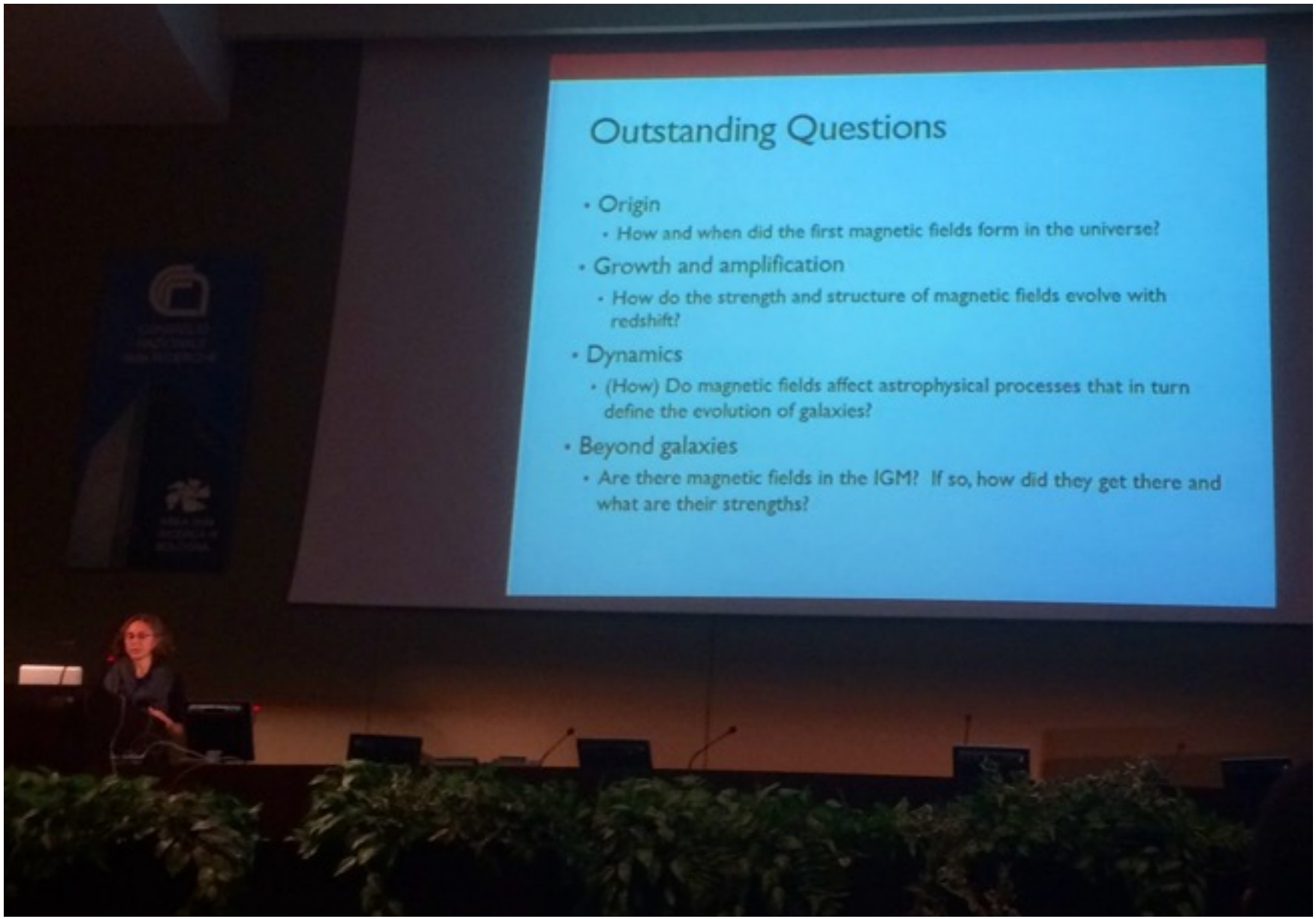


Figure 1: Possible probability distributions of FRB dispersion measures for bursts located at $z = 1$. The distribution depends on how the baryons are distributed near the halos of galaxy clusters along the line of sight. The more diffuse the gas, the more concentrated is the probability density around its central value. Here, strong feedback corresponds to a scenario in which the baryonic extent of each galaxy cluster halo extends to 2 virial radii, while the weak feedback corresponds to one in which the halo extends to only half the cluster virial radius. (See McQuinn (2014) for more details.)

Magnetism comes of age ?

“Anna Williams, George Heald, Federika Govoni et al. :



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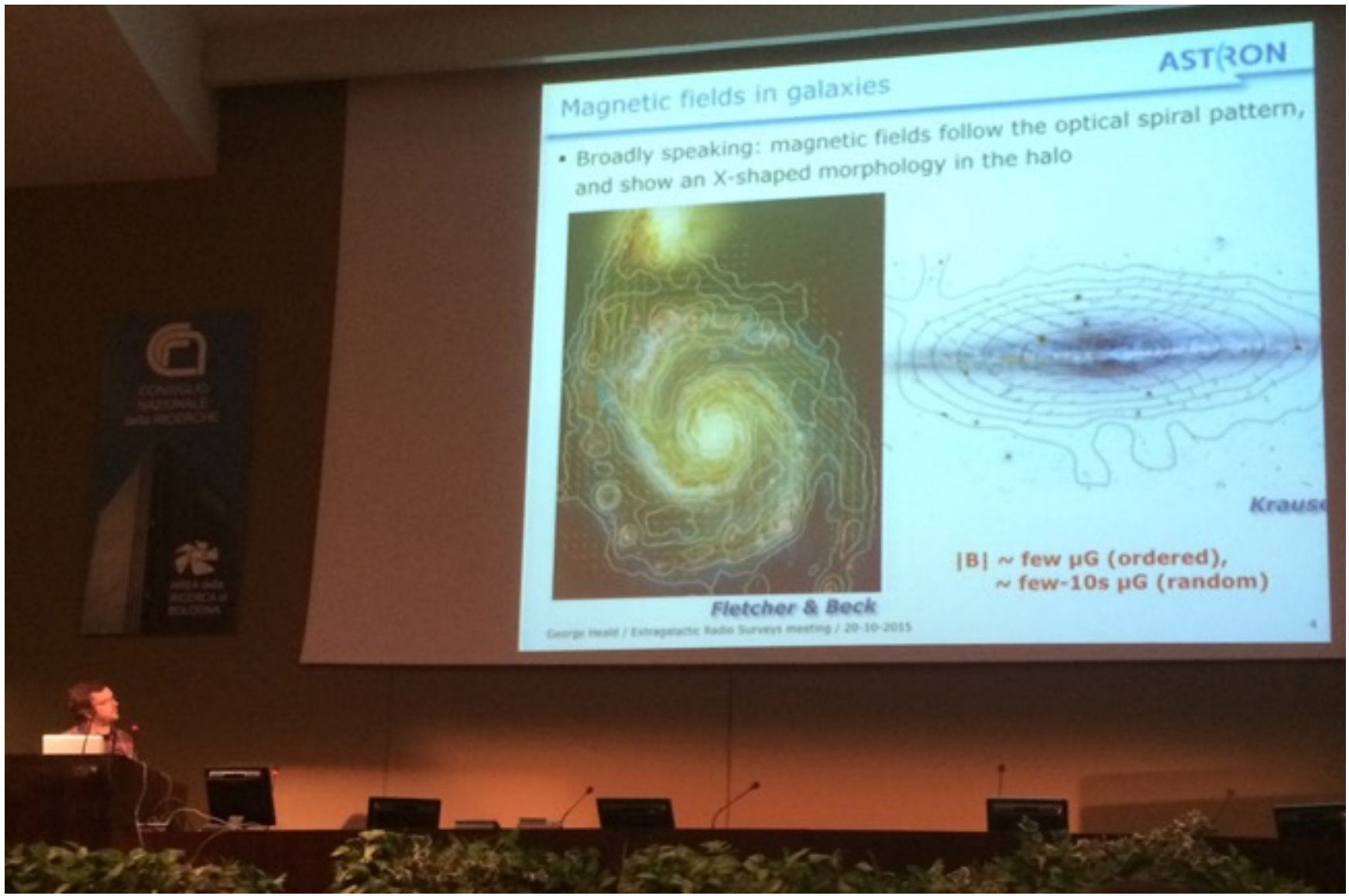

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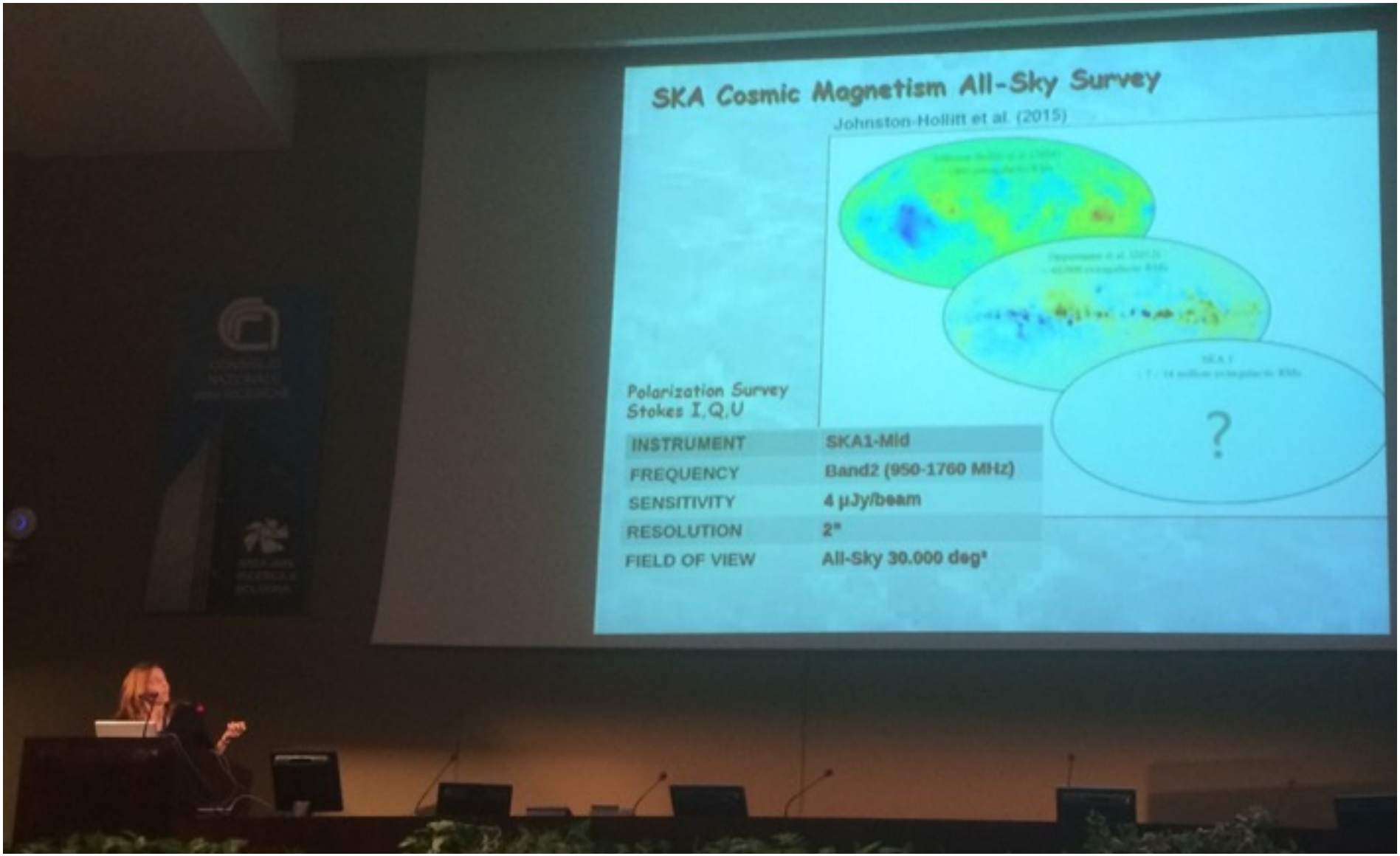
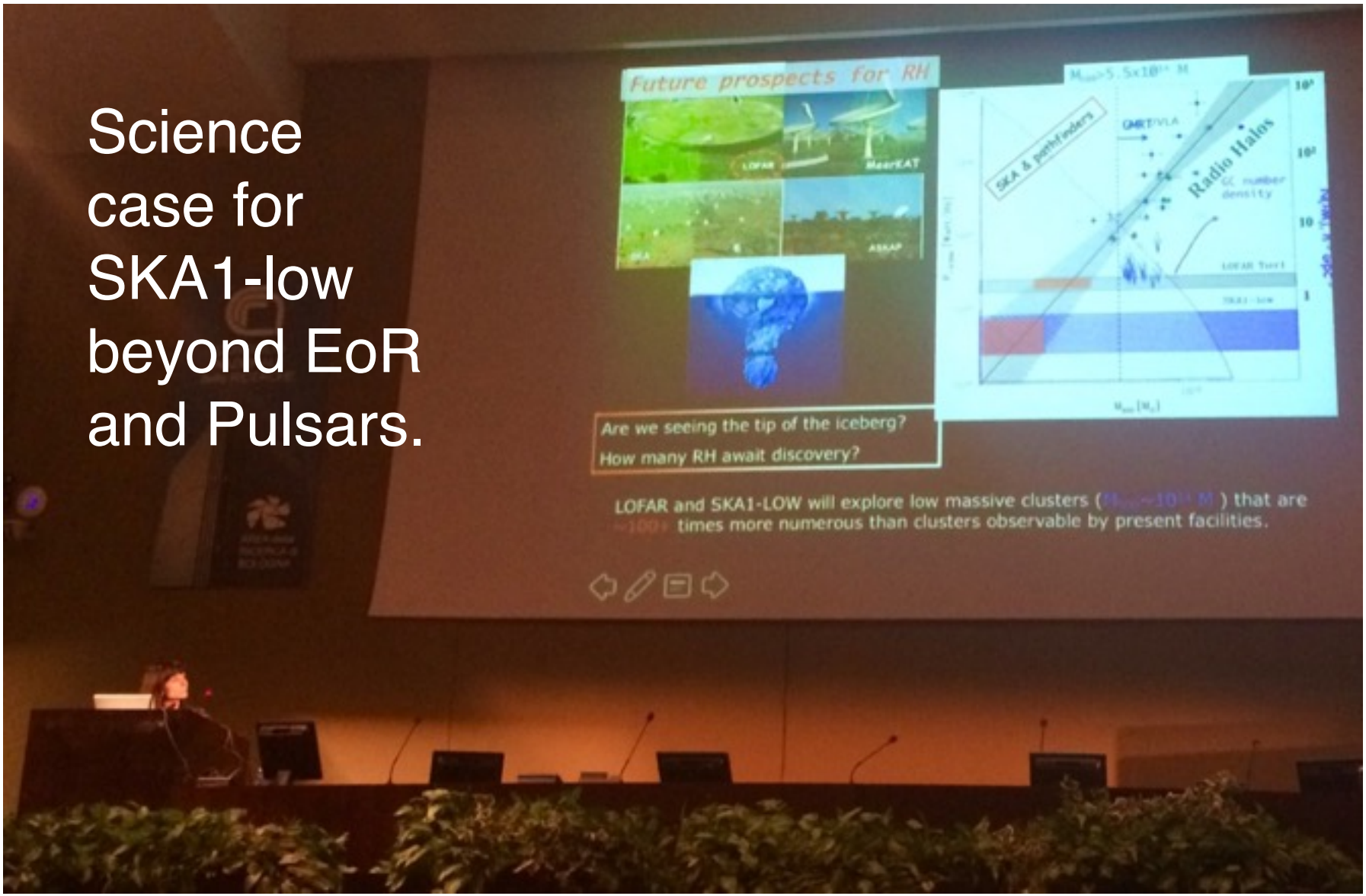


Inspiring Talk #3

"***Magnetogenesis…***" - *Franco Vazza*

Clusters & Next-generation radio telescopes

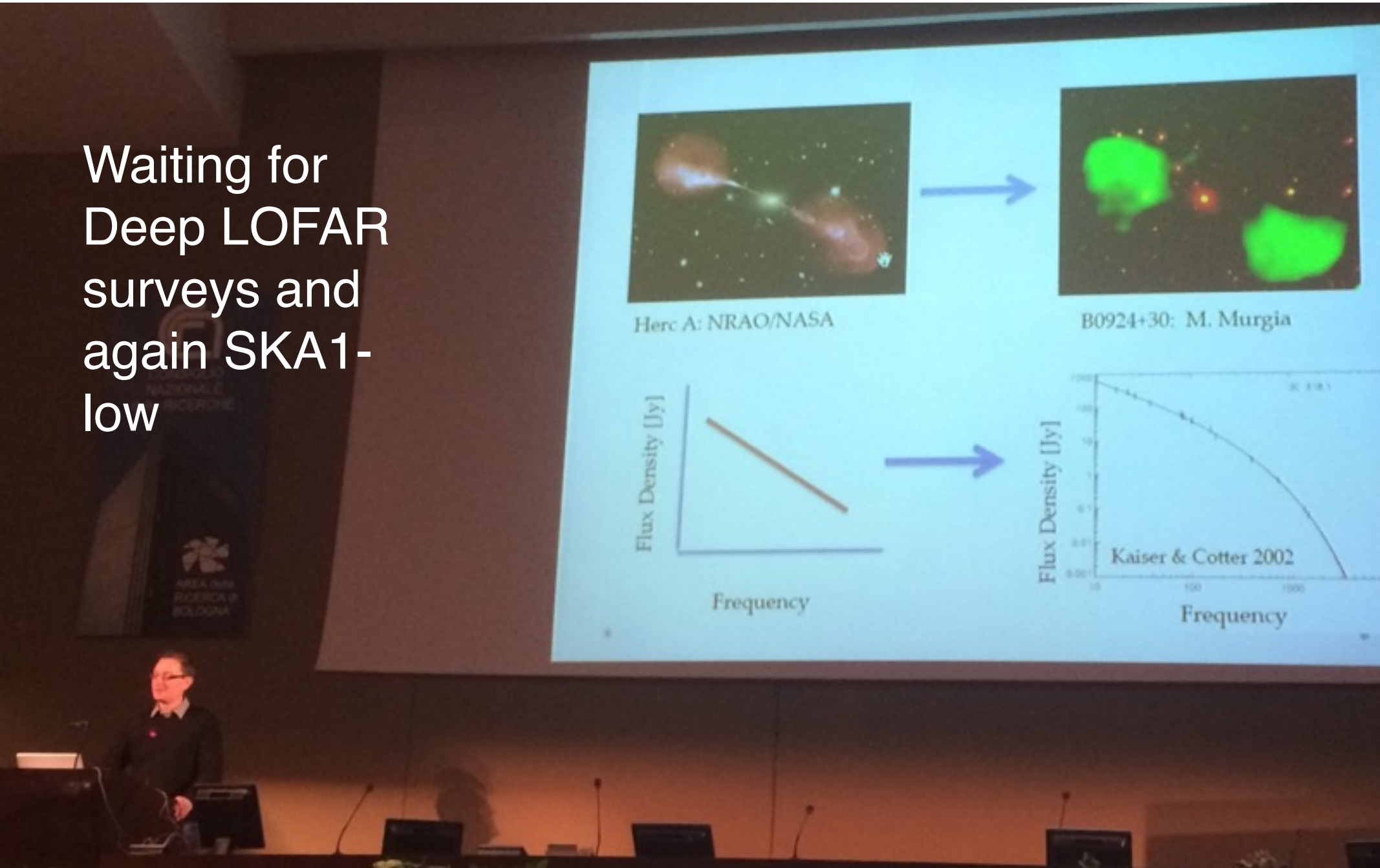
“Rossella Cassano *et al.*



Remnant radio lobes

- Leith Goddfery, Marisa Brienza

Waiting for Deep LOFAR surveys and again SKA1-low



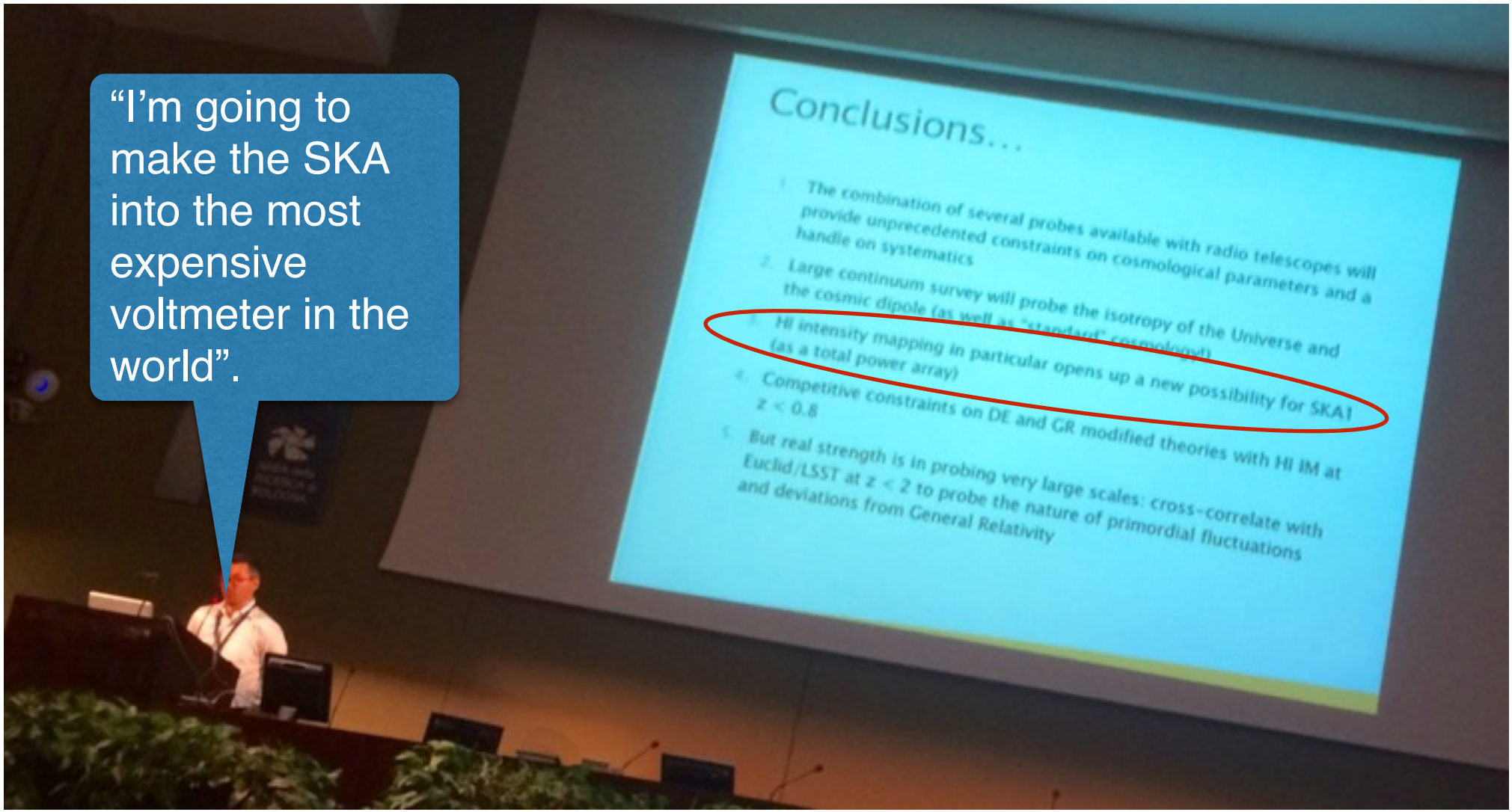
Prizes

Best SKA Engineering Change Proposal (ECP)

Prizes

Best SKA Engineering Change Proposal (ECP)

And the winner is: *Mario Santos!*




Thanks to my collaborators… it has been (and still is) great fun!
THANK YOU FOR YOUR ATTENTION
“It has been (and still is) great fun!”
- Tiziana Venturi.

Future

Italian Radio Astronomy - 51 years after the N-cross…

Future

Italian Radio Astronomy - 51 years after the N-cross…

INAF ORA
&
Radio Astronomy in general

- the best is yet to come!