



“Il mio voler cercare oltre la meta”
 (“Looking beyond my goals”)

Francesco Melchiorri
Memorial Conference



Francesco Melchiorri Memorial Conference

Concluding Remarks

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Acknowledgments

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- A special acknowledgment is for the two secretaries of the meeting:
 - Fernanda Lupinacci
 - Alba Perotta
- who took care with patience and competence of countless practical issues, and
 - Stefano Petrocchi and Maurizio Perciballifor technical support.

How to conclude ?

- I believe that in this meeting we have really honored Francesco.
- We discussed and learned about cosmology, astrophysics and physics: none of these can go without the others, and Francesco was firmly convinced of this.
- The CMB scientific community, where Francesco has been one of the pioneers, and where he has operated for more than 40 years, has achieved a lot.
- Sometimes we do not realize how rich (in data, interpretations, and opportunities) we are today!

How to conclude ?

- I'll not even try to summarize what we heard.
- Everybody has enjoyed the wonderful experiments and results in CMB anisotropy, CMB polarization, CMB theory, SZ science, IGM science, ISM science...
- In each of these fields Francesco has given a very significant contribution during his career.
- Many of his pioneering ideas are now reality, even exceeding his expectations: We will have soon :
 - Measurements of SZ in thousands of clusters
 - Measurements of CMB anisotropy at high multipoles
 - Measurements of CMB polarization with extremely high sensitivity
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How to conclude ?

- The level of resources (people and money) required to make many of these efforts is very large.
- This is a significant change with respect to the past. In the past, the small CMB community had little money and used smart ideas carried out by small groups of scientists. This was the style Francesco loved.
- Now there is more money and larger collaborations – which is good – but we need to make sure that smart ideas are properly stimulated and supported.

How to conclude ?

- I want to make a note about teaching, which may be has not been stressed enough in the first morning session.
- Many of the participants here have been Francesco's students, and have inherited his enthusiasm about observational cosmology.
- This is a confirmation that Francesco really initiated a high level school of observational cosmology here in La Sapienza.
- And has formed generations of researchers, who now continue with enthusiasm the research in the CMB.
- This is an invaluable legacy.

- I want to report a message that Bianca Melchiorri gave me this morning:
- “I want to thank all the persons who collaborated to make this meeting real, and all those who participated.
- It has been a wonderful way to honor Francesco and make evident your respect for him as a scientist and as a man.
- I am sure that Francesco would like to transmit now to everyone of you his greetings for a successful continuation of your researches.
- To continue the research activities until the goal has been accomplished is an augury for you all, but also for Francesco himself. In fact, as Orazio wrote more than 2000 years ago: “... *non omnius moriar*”: I’ll not be completely passed away ... if at least one in the world will continue my work.
- This is the hope of a scientist.

- Finally, Bianca added a personal note.
- “I really hope that a new “Francesco Melchiorri”, starting in the near future his career as a young scientist, will live a life as wonderful and adventurous as Francesco’s one.
- But I also hope that his life will be less difficult and stressing: I hope that there will be in this country conditions to really allow researchers to contribute to science development, not only in our country, but worldwide, since research is a patrimony of mankind.”
- Thank you Bianca ! and



Thank you Francesco.
We will never forget you.