## **PICO: Probe of Inflation and Cosmic Origins**

Thematic Area: Space Based Projects Lead Author: Shaul Hanany (hanany@umn.edu) <sup>1</sup>

## Authors

Marcelo Alvarez 9,16 Emmanuel Artis 12 Peter Ashton <sup>24,16,9</sup> Jonathan Aumont 25 Ragnhild Aurlien <sup>26</sup> Ranajoy Banerji <sup>26</sup> R. Belen Barreiro <sup>27</sup> James G. Bartlett <sup>5,6</sup> Soumen Basak <sup>28</sup> Nick Battaglia 7 Jamie Bock 8,6 Kimberly K. Boddy <sup>2</sup> Matteo Bonato 29 Julian Borrill 9,10 François Bouchet 30 François Boulanger 31 Blakesley Burkhart 32 Jens Chluba 33 David Chuss 11 Susan E. Clark <sup>18,34</sup> Joelle Cooperrider <sup>6</sup>

Brendan P. Crill <sup>6</sup> Gianfranco De Zotti 35 Jacques Delabrouille 5,12 Eleonora Di Valentino <sup>36</sup> Joy Didier 37 Olivier Doré 6,8 Hans K. Eriksen <sup>26</sup> Josquin Errard 5 Tom Essinger-Hileman 21 Stephen Feeney 17 Jeffrey Filippini 38 Laura Fissel 14 Raphael Flauger 15 Unni Fuskeland 26 Vera Gluscevic 39 Krzysztof M. Gorski 6 Dan Green 16 Shaul Hanany 1 Brandon Hensley 4 Diego Herranz <sup>27</sup> J. Colin Hill 17,18

Eric Hivon 30 Renée Hložek 40 Johannes Hubmayr 19 Bradley R. Johnson <sup>41</sup> William Jones 4 Terry Jones <sup>1</sup> Lloyd Knox <sup>20</sup> Al Kogut 21 Marcos López-Caniego 42 Charles Lawrence 6 Alex Lazarian 43 Zack Li 4 Mathew Madhavacheril <sup>4</sup> Jean-Baptiste Melin 12 Joel Meyers 44 Calum Murray <sup>5</sup> Mattia Negrello 45 Giles Novak 46 Roger O'Brient 6,8 Christopher Paine <sup>6</sup> Tim Pearson 8

Levon Pogosian 47 Clem Prvke 1 Giuseppe Puglisi 48,49 Mathieu Remazeilles <sup>33</sup> Graca Rocha 6,8 Marcel Schmittfull 18 Douglas Scott 50 Peter Shirron 21 Ian Stephens 51 Brian Sutin 6 Maurizio Tomasi 52 Amy Trangsrud 6 Alexander van Engelen 23 Flavien Vansyngel 53 Ingunn K. Wehus <sup>26</sup> Qi Wen 1 Siyao Xu 43 Karl Young 1 Andrea Zonca 54

## **Endorsers**

Maximilian Abitbol Zeeshan Ahmed David Alonso Mustafa A. Amin Adam Anderson James Annis Jason Austermann Carlo Baccigalupi Darcy Barron Ritoban Basu Thakur Elia Battistelli Daniel Baumann Karim Benabed **Bradford Benson** Paolo de Bernardis Marco Bersanelli Federico Bianchini Daniel Bilbao-Ahedo Colin Bischoff Sebastian Bocquet J. Richard Bond Jeff Booth Sean Bryan Carlo Burigana

Giovanni Cabass Robert Caldwell John Carlstrom Xingang Chen Francis-Yan Cyr-Racine Paolo de Bernardis Tijmen de Haan C. Darren Dowell Cora Dvorkin Chang Feng Ivan Soares Ferreira Aurelien Fraisse Andrei V. Frolov Nicholas Galitzki Silvia Galli Ken Ganga Tuhin Ghosh Sunil Golwala Riccardo Gualtieri Jon E. Gudmundsson Nikhel Gupta Nils Halverson Kyle Helson Sophie Henrot-Versillé

Thiem Hoang Kevin M. Huffenberger Kent Irwin Reijo Keskitalo Rishi Khatri Chang-Goo Kim Theodore Kisner Arthur Kosowsky Ely Kovetz Kerstin Kunze Guilaine Lagache Daniel Lenz François Levrier Marilena Loverde Philip Lubin Juan Macias-Perez Nazzareno Mandolesi Enrique Martínez-González **Carlos Martins** Silvia Masi Tomotake Matsumura Darragh McCarthy P. Daniel Meerburg

Alessandro Melchiorri Marius Millea Amber Miller Joseph Mohr Lorenzo Moncelsi Pavel Motloch Tony Mroczkowski Suvodip Mukherjee Johanna Nagy Pavel Naselsky Federico Nati Paolo Natoli Michael Niemack Elena Orlando Bruce Partridge Marco Peloso Francesco Piacentini Michel Piat Elena Pierpaoli Giampaolo Pisano Nicolas Ponthieu Giuseppe Puglisi Benjamin Racine Christian Reichardt

Christophe Ringeval Erik Shirokoff **Grant Teply** Benjamin Wallisch Karwan Rostem Anže Slosar Peter Timbie Benjamin Wandelt Anirban Roy Tarun Souradeep Matthieu Tristram Gensheng Wang Jose Alberto Rubino-Suzanne Staggs Caterina Umiltà Scott Watson George Stein Edward J. Wollack Martin Rien van de Weygaert Matarrese Sabino Radek Stompor Vincent Vennin Zhilei Xu Maria Salatino Rashid Sunvaev Licia Verde Siavash Yasini Benjamin Saliwanchik Aritoki Suzuki Patricio Vielva Neelima Sehgal Eric Switzer Abigail Vieregg Sarah Shandera Jan Vrtilek Andrea Tartari

## **Affiliations**

- 1. University of Minnesota Twin Cities.
- 2. Johns Hopkins University.
- 3. Carnegie Melon University.
- 4. Princeton University.
- 5. APC, Univ Paris Diderot, CNRS/IN2P3, CEA/Irfu, Obs de Paris, Sorbonne Paris Cité, France.
- 6. Jet Propulsion Laboratory, California Institute of Technology.
- 7. Cornell University.
- 8. California Institute of Technology.
- 9. Lawrence Berkeley National Laboratory.
- 10. Space Sciences Laboratory, University of California, Berkeley.
- 11. Villanova University.
- 12. IRFU, CEA, Université Paris-Saclay, France.
- 13. University of Pennsylvania.
- 14. National Radio Astronomy Observatory.
- 15. University of California, San Diego.
- 16. University of California, Berkeley.
- 17. Center for Computational Astrophysics, Flatiron Institute.
- 18. Institute for Advanced Study, Princeton.
- 19. National Institute of Standards and Technology.
- 20. University of California, Davis.
- 21. NASA Goddard Space Flight Center.
- 22. University of Michigan.
- 23. Canadian Institute for Theoretical Astrophysics, University of Toronto, Canada.
- 24. Kavli Institute for the Physics and Mathematics of the Universe (WPI).
- 25. IRAP, Université de Toulouse, France.
- 26. University of Oslo, Norway.
- 27. Instituto de Física de Cantabria (CSIC-Universidad de Cantabria), Spain.
- 28. School of Physics, Indian Institute of Science Education and

Research Thiruvananthapuram, India.

- 29. INAF-Istituto di Radioastronomia and Italian ALMA Regional Centre, Italy.
- 30. Institut d'Astrophysique de Paris, CNRS and Sorbonne Université, France.
- 31. Ecole Normale Superieure, Paris, France.
- 32. Rutgers University.
- 33. JBCA, University of Manchester.
- 34. Hubble Fellow
- 35. INAF-Osservatorio Astronomico di Padova, Italy.
- 36. University of Manchester.
- 37. University of Southern California.
- 38. University of Illinois, Urbana-Champaign.
- 39. University of Florida.
- 40. Department of Astronomy & Astrophysics and Dunlap Institute, University of Toronto, Canada.
- 41. Columbia University.
- 42. European Space Astronomy Centre.
- 43. University of Wisconsin Madison.
- 44. Southern Methodist University.
- 45. Cardiff University School of Physics and Astronomy.
- 46. Northwestern University.
- 47. Simon Fraser University.
- 48. Stanford University.
- 49. Kavli Institute for Particle Astrophysics and Cosmology.
- 50. University of British Columbia, Canada.
- 51. Harvard-Smithsonian Center for Astrophysics.
- 52. Università degli studi di Milano.
- 53. Institut d'Astrophysique Spatiale, CNRS, Univ. Paris-Sud,

Université Paris-Saclay, France.

54. San Diego Supercomputer Center, University of California, San Diego.