

## Endorsers for Astro2020 science white paper:

### “Cosmological Probes of Dark Matter Interactions: The Next Decade”

**Principal Author:** Vera Gluscevic (v.gluscevic@ufl.edu)

**Endorsers:** Kevork N. Abazajian<sup>1</sup>, Muntazir Abidi<sup>2</sup>, Behzad Ansarinejad<sup>3</sup>, Robert Armstrong<sup>4</sup>, Carlo Baccigalupi<sup>5,6,7</sup>, Nicholas Battaglia<sup>8</sup>, Chetan Bavdhanekar<sup>9</sup>, Keith Bechtol<sup>10</sup>, Charles Bennett<sup>11</sup>, Bradford Benson<sup>12,13</sup>, Florian Beutler<sup>14</sup>, Jonathan Blazek<sup>15,16</sup>, J. Richard Bond<sup>17</sup>, Julian Borrill<sup>18</sup>, Sownak Bose<sup>19</sup>, Brenda Frye<sup>20</sup>, Elizabeth Buckley-Geer<sup>12</sup>, Cliff Burgess<sup>21</sup>, Emanuele Castorina<sup>22</sup>, Xingang Chen<sup>19</sup>, Douglas Clowe<sup>23</sup>, Nathaniel Craig<sup>24</sup>, Olivier Doré<sup>25</sup>, Alex Drlica-Wagner<sup>12,13</sup>, Cora Dvorkin<sup>26</sup>, Simone Ferraro<sup>18</sup>, Pedro G. Ferreira<sup>27</sup>, Simon Foreman<sup>17</sup>, Juan García-Bellido<sup>28</sup>, Juan García-Bellido<sup>29</sup>, Martina Gerbino<sup>30</sup>, Mandeep S.S. Gill<sup>31,32,33</sup>, Vera Gluscevic<sup>34</sup>, Daniel Green<sup>35</sup>, Daniel Grin<sup>36</sup>, Shaul Hanany<sup>37</sup>, Lars Hernquist<sup>19</sup>, J. Colin Hill<sup>38,39</sup>, Renée Hložek<sup>40,41</sup>, Gilbert Holder<sup>42</sup>, Shunsaku Horiuchi<sup>43</sup>, Kenji Kadota<sup>44</sup>, Marc Kamionkowski<sup>11</sup>, Ryan E. Keeley<sup>45</sup>, Jean-Paul Kneib<sup>15</sup>, Lloyd Knox<sup>46</sup>, Savvas M. Koushiappas<sup>47</sup>, Ely D. Kovetz<sup>48</sup>, Michele Liguori<sup>49</sup>, Tongyan Lin<sup>35</sup>, Weikang Lin<sup>50</sup>, Axel de la Macorra<sup>51</sup>, Andrés A. Plazas<sup>52</sup>, P. Daniel Meerburg<sup>53,2,54</sup>, Joel Meyers<sup>55</sup>, Mehrdad Mirbabayi<sup>56</sup>, Tony Mroczkowski<sup>57</sup>, Julian B. Muñoz<sup>26</sup>, Laura Newburgh<sup>58</sup>, Francesco Piacentini<sup>59</sup>, Francesco Piacentini<sup>59,60</sup>, Abhishek Prakash<sup>61</sup>, Graziano Rossi<sup>62</sup>, Emmanuel Schaan<sup>18,22</sup>, Alessandro Schillaci<sup>61</sup>, Michael Schubnell<sup>63</sup>, Katelin Schutz<sup>22</sup>, Neelima Sehgal<sup>64</sup>, Leonardo Senatore<sup>31</sup>, Huanyuan Shan<sup>65</sup>, Joshua D. Simon<sup>66</sup>, Sara Simon<sup>63</sup>, Anže Slosar<sup>67</sup>, Stephanie Escoffier<sup>68</sup>, Ritoban Basu Thakur<sup>61</sup>, Cora Uhlemann<sup>2</sup>, L. Arturo Urenña-López<sup>69</sup>, Eleonora Di Valentino<sup>70</sup>, Benjamin Wallisch<sup>38,35</sup>, Scott Watson<sup>71</sup>, Weishuang Xu<sup>26</sup>, Sam Young<sup>72</sup>, Matias Zaldarriaga<sup>38</sup>, Yi Zheng<sup>73</sup>, Joe Zuntz<sup>74</sup>,

<sup>1</sup> University of California, Irvine, CA 92697

<sup>2</sup> DAMTP, Centre for Mathematical Sciences, Wilberforce Road, Cambridge, UK, CB3 0WA

<sup>3</sup> Department of Physics, Lower Mountjoy, South Rd, Durham DH1 3LE, United Kingdom

<sup>4</sup> Lawrence Livermore National Laboratory, Livermore, CA, 94550

<sup>5</sup> SISSObservatoriesA - International School for Advanced Studies, Via Bonomea 265, 34136 Trieste, Italy

<sup>6</sup> IFPU - Institute for Fundamental Physics of the Universe, Via Beirut 2, 34014 Trieste, Italy

<sup>7</sup> INFN – National Institute for Nuclear Physics, Via Valerio 2, I-34127 Trieste, Italy

<sup>8</sup> Cornell University, Ithaca, NY 14853

<sup>9</sup> Andrzej Soltana 7, 05-400 Otwock-Świerk, Poland

<sup>10</sup> Department of Physics, University of Wisconsin - Madison, Madison, WI 53706

<sup>11</sup> Johns Hopkins University, Baltimore, MD

21218

<sup>12</sup> Fermi National Accelerator Laboratory, Batavia, IL 60510

<sup>13</sup> Kavli Institute for Cosmological Physics, Chicago, IL 60637

<sup>14</sup> Institute of Cosmology & Gravitation, University of Portsmouth, Dennis Sciana Building, Burnaby Road, Portsmouth PO1 3FX, UK

<sup>15</sup> Laboratory of Astrophysics, EPFL, 1290 Versoix, Switzerland

<sup>16</sup> The Ohio State University, Columbus, OH 43212

<sup>17</sup> Canadian Institute for Theoretical Astrophysics, University of Toronto, Toronto, ON M5S 3H8, Canada

<sup>18</sup> Lawrence Berkeley National Laboratory, Berkeley, CA 94720

<sup>19</sup> Harvard-Smithsonian Center for Astrophysics, MA 02138

- <sup>20</sup> Department of Astronomy/Steward Observatory, University of Arizona, Tucson, AZ 85721
- <sup>21</sup> Perimeter Institute, Waterloo, Ontario N2L 2Y5, Canada
- <sup>22</sup> Department of Physics, University of California Berkeley, Berkeley, CA 94720, USA
- <sup>23</sup> Department of Physics and Astronomy, Ohio University, Clipping Labs, Athens, OH 45701, USA
- <sup>24</sup> University of California at Santa Barbara, Santa Barbara, CA 93106
- <sup>25</sup> Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA, USA
- <sup>26</sup> Department of Physics, Harvard University, Cambridge, MA 02138, USA
- <sup>27</sup> The University of Oxford, Oxford OX1 3RH, UK
- <sup>28</sup> Instituto de Fisica Teorica UAM/CSIC, Universidad Autonoma de Madrid, 28049 Madrid, Spain
- <sup>29</sup> Universidad Autónoma de Madrid, 28049, Madrid, Spain
- <sup>30</sup> HEP Division, Argonne National Laboratory, Lemont, IL 60439, USA
- <sup>31</sup> Kavli Institute for Particle Astrophysics and Cosmology, Stanford 94305
- <sup>32</sup> Stanford University, Stanford, CA 94305
- <sup>33</sup> SLAC National Accelerator Laboratory, Menlo Park, CA 94025
- <sup>34</sup> University of Florida, Gainesville, FL 32611
- <sup>35</sup> University of California San Diego, La Jolla, CA 92093
- <sup>36</sup> Haverford College, 370 Lancaster Ave, Haverford PA, 19041, USA
- <sup>37</sup> University of Minnesota, Minneapolis, MN 55455
- <sup>38</sup> Institute for Advanced Study, Princeton, NJ 08540
- <sup>39</sup> Center for Computational Astrophysics, 162 5th Ave, 10010, New York, NY, USA
- <sup>40</sup> Dunlap Institute for Astronomy and Astrophysics, University of Toronto, ON, M5S3H4
- <sup>41</sup> Department of Astronomy and Astrophysics, University of Toronto, ON, M5S3H4
- <sup>42</sup> Department of Physics, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801, USA
- <sup>43</sup> Virginia Tech, Blacksburg, VA 24061
- <sup>44</sup> Institute for Basic Science (IBS), Daejeon 34051, Korea
- <sup>45</sup> Korea Astronomy and Space Science Institute, Daejeon 34055, Korea
- <sup>46</sup> University of California at Davis, Davis, CA 95616
- <sup>47</sup> Brown University, Providence, RI 02912
- <sup>48</sup> Department of Physics, Ben-Gurion University, Be'er Sheva 84105, Israel
- <sup>49</sup> Dipartimento di Fisica e Astronomia "G. Galilei", Università degli Studi di Padova, via Marzolo 8, I-35131, Padova, Italy
- <sup>50</sup> Physics Department, North Carolina State University, 2401 Stinson Dr, Raleigh, NC 27607
- <sup>51</sup> IFUNAM - Instituto de Fisica, Universidad Nacional Autónoma de México, 04510 CDMX, México
- <sup>52</sup> Princeton University, Princeton, NJ 08544
- <sup>53</sup> Kavli Institute for Cosmology, Cambridge, UK, CB3 0HA
- <sup>54</sup> Van Swinderen Institute for Particle Physics and Gravity, University of Groningen, Nijenborgh 4, 9747 AG Groningen, The Netherlands
- <sup>55</sup> Southern Methodist University, Dallas, TX 75275
- <sup>56</sup> International Centre for Theoretical Physics, Strada Costiera, 11, I-34151 Trieste, Italy
- <sup>57</sup> European Southern Observatory, Karl-Schwarzschild-Str. 2, 85748 Garching bei München, Germany
- <sup>58</sup> Department of Physics, Yale University, New Haven, CT 06520
- <sup>59</sup> Dipartimento di Fisica, Università La Sapienza, P. le A. Moro 2, Roma, Italy
- <sup>60</sup> Istituto Nazionale di Fisica Nucleare, Sezione di Roma, 00185 Roma, Italy
- <sup>61</sup> California Institute of Technology, Pasadena, CA 91125
- <sup>62</sup> Department of Physics and Astronomy, Sejong University, Seoul, 143-747, Korea
- <sup>63</sup> University of Michigan, Ann Arbor, MI 48109
- <sup>64</sup> Stony Brook University, Stony Brook, NY 11794
- <sup>65</sup> Shanghai Astronomical Observatory (SHAO), Nandan Road 80, Shanghai 200030, China
- <sup>66</sup> The Observatories of the Carnegie Institution for Science, 813 Santa Barbara St., Pasadena, CA 91101, USA
- <sup>67</sup> Brookhaven National Laboratory, Upton, NY 11973
- <sup>68</sup> Aix Marseille Univ, CNRS/IN2P3, CPPM, Marseille, France
- <sup>69</sup> División de Ciencias e Ingenierías, Universidad de Guanajuato, León 37150, México
- <sup>70</sup> Jodrell Bank Center for Astrophysics, School of Physics and Astronomy, University of Manchester, Oxford Road, Manchester, M13 9PL, UK
- <sup>71</sup> Syracuse University, Syracuse, NY 13244
- <sup>72</sup> Max-Planck-Institut für Astrophysik, Karl-Schwarzschild-Str. 1, 85741 Garching, Germany
- <sup>73</sup> 85 Hoegiro, Dongdaemun-gu Seoul 02455, Republic of Korea
- <sup>74</sup> University of Edinburgh, EH8 9YL Edinburgh, United Kingdom