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# Conclusion and Acknowledgements

Snowmass 2021 was a scientific study which provided an opportunity for the entire U.S. particle physics community, in consultation with its international partners, to come together to identify and document a scientific vision for the future. Snowmass 2021 succeeded due to the contributions of the individual scientists who participated, and through the process of discussion and collaboration which took place. The Snowmass process included many preparatory meetings on various topics, and during the process members of the community submitted more than five hundred scientific white papers for consideration. The input gathered was summarized in the reports of about eighty topical subgroups, and all of this information was considered collectively by over a thousand members of the community in a ten-day workshop held at the University of Washington in July, 2022. Subsequently, each topical area integrated the information received into ten Frontier Summary Reports and a Report from the Snowmass Early Career group. Subsequently, the Frontier and Early Career reports were distilled into the summary chapter and executive summary included in this volume.

The documents included in this book, and the white papers and reports from which they are derived, are the output of Snowmass 2021. Together, these documents provide a comprehensive view of particle physics at the beginning of 2023 as viewed by the U.S. High-Energy Physics community. Collectively, this information will provide input to the 2023 Particle Physics Prioritization Panel (P5) subpanel of the U.S. High-Energy Physics Advisory Panel (HEPAP), and will help to guide and inform the activity of the U.S. particle physics community during the coming years.

Several thousand people participated in Snowmass 2021 and helped to make it a success. Since there are too many people to thank individually, here we acknowledge the people who served on the main committees/groups that helped coordinate and organize the overall activities of Snowmass 2021. Since these committees were in place and functioning by 2020, and in some cases by 2019, we tried to include everyone, even those that rotated off or onto the committees in mid-course and therefore served only part of the time. We apologize if we omitted someone.

We wish to thank the following people who provided advice, direction, and guidance to Snowmass 2021 through their participation in the following all- Snowmass working groups and committees. We also express our gratitude to many others who played similar roles in organizing activities such as meetings, lecture series, and forums in the Frontiers.

### **The Snowmass Steering Group:**

Joel N. Butler<sup>1</sup>, R. Sekhar Chivukula<sup>2</sup>, André de Gouvêa<sup>3</sup>, Tao Han<sup>4</sup>, Young-Kee Kim<sup>5</sup>, Priscilla Cushman<sup>6</sup>, Glennys R. Farrar<sup>7</sup>, Yury G. Kolomensky<sup>8</sup>, Sergei Nagaitsev<sup>1,5</sup>, Nicolás Yunes<sup>9</sup>, Gabriela Gonzalez<sup>10</sup>.

### **The Snowmass Advisory Group:**

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Lauren Tompkins<sup>15</sup>, Mayly Sanchez<sup>16</sup>, Gordon Watts<sup>17</sup>, Shih-Chieh Hsu<sup>17</sup>, Julia Gonski<sup>18</sup>, Sara M. Simon<sup>1</sup>, Natalia Toro<sup>19</sup>, Elizabeth Worcester<sup>14</sup>, Rick Van Kooten<sup>20</sup>, Elizabeth Simmons<sup>2</sup>, Mirjam Cvetič<sup>21</sup>, Claudio Dib<sup>22</sup>, Rainer Wallny<sup>23</sup>, Valerie Gibson<sup>24</sup>, Berrie Giebels<sup>25</sup>, Atsuko Ichikawa<sup>26</sup>, Robert McPherson<sup>27</sup>, Heather Logan<sup>28</sup>, Xinchou Lou<sup>29</sup>, Michelangelo Mangano<sup>30</sup>, Azwinndini Muronga<sup>31</sup>, Michael E. Peskin<sup>19</sup>, Sergei Chekanov<sup>32</sup>.

### The Snowmass Frontier Conveners:

**Accelerator Frontier:** Stephen Gourlay<sup>13</sup>, Tor Raubenheimer<sup>19</sup>, Vladimir Shiltsev<sup>1</sup>; **Community Engagement Frontier:** Kétévi A. Assamagan<sup>14</sup>, Breese Quinn<sup>33</sup>; **Computational Frontier:** V. Daniel Elvira<sup>1</sup>, Steven Gottlieb<sup>20</sup>, Oliver Gutsche<sup>1</sup>, Benjamin Nachman<sup>13</sup>; **Cosmic Frontier:** Aaron S. Chou<sup>1</sup>, Marcelle Soares-Santos<sup>34</sup>, Tim M. P. Tait<sup>35</sup>; **Energy Frontier:** Meenakshi Narain<sup>36†</sup>, Laura Reina<sup>16</sup>, Alessandro Tricoli<sup>14</sup>; **Instrumentation Frontier:** Phillip S. Barbeau<sup>37</sup>, Petra Merkel<sup>1</sup>, Jinlong Zhang<sup>32</sup>; **Neutrino Frontier:** Patrick Huber<sup>38</sup>, Kate Scholberg<sup>37</sup>, Elizabeth Worcester<sup>14</sup>; **Rare Processes and Precision Measurements Frontier:** Marina Artuso<sup>39</sup>, Robert H. Bernstein<sup>1</sup>, Alexey A. Petrov<sup>40</sup>; **Theory Frontier:** Nathaniel Craig<sup>41</sup>, Csaba Csáki<sup>42</sup>, Aida X. El-Khadra<sup>9</sup>; **Underground Facilities and Infrastructure Frontier:** Laura Baudis<sup>43</sup>, Jeter Hall<sup>44</sup>, Kevin T. Lesko<sup>13</sup>, John L. Orrell<sup>45</sup>.

### Snowmass Early Career (SEC):

Young scientists faced severe challenges during the COVID pandemic. Nevertheless, they managed to participate, organize activities, and have a real impact on outcome. Here we list the DPF executive Committee Members who took a coordinating role in the SEC:

Julia Gonski<sup>18</sup>, Fernanda Psihas<sup>1</sup>, Sara M. Simon<sup>1</sup>

We want to thank all the participants in the SEC for their superb effort under difficult circumstances that particularly affected young scientists.

### Snowmass Community Planning Meeting:

We want to thank the following people who helped organize the Snowmass Community Planning Meeting (CPM), originally planned as an in-person meeting, but, because of the pandemic, became an all-virtual meeting from Oct. 5-8, 2021:

Bo Jayatilaka (co-chairperson)<sup>1</sup>, Brendan Kiburg (co-chairperson)<sup>1</sup>, Jonathan Asaadi<sup>46</sup>, Saptaparna Bhattacharya<sup>3</sup>, Zoltan Gece<sup>1</sup>, Shih-Chieh Hsu<sup>17</sup>, Erica Snider<sup>1</sup>, Tiziana Spina<sup>1</sup>, Gordon Watts<sup>17</sup>, Yuanyuan Zhang<sup>47</sup>.

### Snowmass Community Summer Study and Workshop:

We especially want to thank the following people who contributed to the success of the Snowmass Community Summer Study and Workshop (CSS), the final meeting of Snowmass 2021, at the University of Washington (UW) in Seattle, from July 17-26, 2022.

**CSS Program Committee:** Gordon Watts (co-chairperson)<sup>17</sup>, Shih-Chieh Hsu (co-chairperson)<sup>17</sup>, Joel N. Butler (co-chairperson)<sup>1</sup>, R. Sekhar Chivukula<sup>2</sup>, André de Gouvêa<sup>3</sup>, Tao Han<sup>4</sup>, Young-Kee Kim<sup>5</sup>, Priscilla Cushman<sup>6</sup>, Glennys R. Farrar<sup>7</sup>, Yury G. Kolomensky<sup>8</sup>, Sergei Nagaitsev<sup>1,5</sup>, Nicolás Yunes<sup>9</sup>, Kétévi A. Assamagan<sup>14</sup>, Phillip S. Barbeau<sup>37</sup>, Nathaniel Craig<sup>41</sup>, Benjamin Nachman<sup>13</sup>, Meenakshi Narain<sup>36†</sup>, John L. Orrell<sup>45</sup>, Alexey A. Petrov<sup>40</sup>, Vladimir Shiltsev<sup>1</sup>, Tim M. P. Tait<sup>35</sup>, Elizabeth Worcester<sup>14</sup>, Garvita Agarwal<sup>48</sup>, Jacob Zettlemoyer<sup>1</sup>; **CSS Local Organizing Committee:** Gordon Watts (UW, co-chairperson)<sup>17</sup>, Shih-Chieh Hsu (UW, co-chairperson)<sup>17</sup>, Quentin Buat<sup>17</sup>, Alvaro E. Chavarria<sup>17</sup>, Jason

<sup>†</sup>deceased, January 1, 2023.

## Conclusion and Acknowledgements

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We thank the institutions who provided essential assistance during the 2021 HEP Snowmass Community Planning Exercise. We thank the host institutions of all the preparatory meetings, virtual and in-person, including all-frontier meetings, and, especially, the University of Washington, Seattle, hosts of the Community Summer Study and Workshop, for their efforts on behalf of our High Energy Physics community. We thank the four units of APS whose work is closely related to HEP, namely Astrophysics, Nuclear Physics, Physics of Gravity, and Physics of Beams, for their many contributions to Snowmass 2021. We are grateful for the financial support from DOE and NSF, which helped enable a broad and inclusive participation in the Seattle meeting, and for the APS for their financial support, help, and collaboration.

### A final thanks to the participants:

We thank the authors of white papers, Topical Group conveners, cross-frontier liaisons, chapter writers, and editors, all of whom were crucial to the success of this exercise. Finally, we express our thanks and admiration to the Snowmass community, including our international and cross-disciplinary partners, who produced great physics studies despite the many challenges of this period.

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