The PhysRev Title

F. P. An, A. B. Balantekin, H. R. Band, M. Bishai, S. Blyth, G. F. Cao, J. Cao, J. F. Chang, Y. Chang,

```
H. S. Chen,<sup>6</sup> S. M. Chen,<sup>8</sup> Y. Chen,<sup>9,10</sup> Y. X. Chen,<sup>11</sup> J. Cheng,<sup>6</sup> Z. K. Cheng,<sup>10</sup> J. J. Cherwinka,<sup>2</sup> M. C. Chu,<sup>12</sup>
 J. P. Cummings, <sup>13</sup> O. Dalager, <sup>14</sup> F. S. Deng, <sup>15</sup> Y. Y. Ding, <sup>6</sup> M. V. Diwan, <sup>4</sup> T. Dohnal, <sup>16</sup> J. Dove, <sup>17</sup> M. Dvořák, <sup>16</sup>
D. A. Dwyer, <sup>18</sup> J. P. Gallo, <sup>19</sup> M. Gonchar, <sup>20</sup> G. H. Gong, <sup>8</sup> H. Gong, <sup>8</sup> W. Q. Gu, <sup>4</sup> J. Y. Guo, <sup>10</sup> L. Guo, <sup>8</sup> X. H. Guo, <sup>21</sup>
 Y. H. Guo,<sup>22</sup> Z. Guo,<sup>8</sup> R. W. Hackenburg,<sup>4</sup> S. Hans,<sup>4</sup>, * M. He,<sup>6</sup> K. M. Heeger,<sup>3</sup> Y. K. Heng,<sup>6</sup> A. Higuera,<sup>23</sup> Y. K. Hor,<sup>10</sup> Y. B. Hsiung,<sup>5</sup> B. Z. Hu,<sup>5</sup> J. R. Hu,<sup>6</sup> T. Hu,<sup>6</sup> Z. J. Hu,<sup>10</sup> H. X. Huang,<sup>24</sup> X. T. Huang,<sup>25</sup> P. Huber,<sup>26</sup>
  D. E. Jaffe, K. L. Jen, X. L. Ji, X. P. Ji, R. A. Johnson, D. Jones, L. Kang, S. H. Kettell, S. Kohn, S.
M. Kramer, ^{18,31} T. J. Langford, ^3 J. Lee, ^{18} J. H. C. Lee, ^{32} R. T. Lei, ^{30} R. Leitner, ^{16} J. K. C. Leung, ^{32} F. Li, ^{6} H. L. Li, ^{6} J. J. Li, ^{8} Q. J. Li, ^{6} S. Li, ^{30} S. C. Li, ^{26} W. D. Li, ^{6} X. N. Li, ^{6} X. Q. Li, ^{33} Y. F. Li, ^{6} Z. B. Li, ^{10} H. Liang, ^{15}
       C. J. Lin, <sup>18</sup> G. L. Lin, <sup>27</sup> S. Lin, <sup>30</sup> J. J. Ling, <sup>10</sup> J. M. Link, <sup>26</sup> L. Littenberg, <sup>4</sup> B. R. Littlejohn, <sup>19</sup> J. C. Liu, <sup>6</sup>
   J. L. Liu, <sup>35</sup> H. Q. Lu, <sup>6</sup> J. S. Lu, <sup>6</sup> K. B. Luk, <sup>31,18</sup> X. B. Ma, <sup>11</sup> X. Y. Ma, <sup>6</sup> Y. Q. Ma, <sup>6</sup> C. Marshall, <sup>18</sup> D. A. Martinez Caicedo, <sup>19</sup> K. T. McDonald, <sup>35</sup> R. D. McKeown, <sup>36,37</sup> Y. Meng, <sup>34</sup> J. Napolitano, <sup>29</sup> D. Naumov, <sup>20</sup>
        E. Naumova,<sup>20</sup> J. P. Ochoa-Ricoux,<sup>14</sup> A. Olshevskiy,<sup>20</sup> H.-R. Pan,<sup>5</sup> J. Park,<sup>26</sup> S. Patton,<sup>18</sup> J. C. Peng,<sup>17</sup>
C. S. J. Pun, <sup>32</sup> F. Z. Qi, <sup>6</sup> M. Qi, <sup>38</sup> X. Qian, <sup>4</sup> N. Raper, <sup>10</sup> J. Ren, <sup>24</sup> C. Morales Reveco, <sup>14</sup> R. Rosero, <sup>4</sup> B. Roskovec, <sup>14</sup>
       X. C. Ruan, <sup>24</sup> H. Steiner, <sup>31, 18</sup> J. L. Sun, <sup>39</sup> T. Tmej, <sup>16</sup> K. Treskov, <sup>20</sup> W.-H. Tse, <sup>12</sup> C. E. Tull, <sup>18</sup> B. Viren, <sup>4</sup>
     V. Vorobel, <sup>16</sup> C. H. Wang, <sup>7</sup> J. Wang, <sup>10</sup> M. Wang, <sup>25</sup> N. Y. Wang, <sup>21</sup> R. G. Wang, <sup>6</sup> W. Wang, <sup>10</sup> W. Wang, <sup>38</sup>
    X. Wang, 40 Y. Wang, 38 Y. F. Wang, 6 Z. Wang, 8 Z. M. Wang, 6 H. Y. Wei, 4 L. H. Wei, 6 L. J. Wen, 6
 K. Whisnant, <sup>41</sup> C. G. White, <sup>19</sup> H. L. H. Wong, <sup>31</sup>, <sup>18</sup> E. Worcester, <sup>4</sup> D. R. Wu, <sup>6</sup> F. L. Wu, <sup>38</sup> Q. Wu, <sup>25</sup> W. J. Wu, <sup>6</sup>
D. M. Xia, ^{42} Z. Q. Xie, ^{6} Z. Z. Xing, ^{6} J. L. Xu, ^{6} T. Xu, ^{8} T. Xue, ^{8} C. G. Yang, ^{6} L. Yang, ^{30} Y. Z. Yang, ^{8} H. F. Yao, ^{6} M. Ye, ^{6} M. Yeh, ^{4} B. L. Young, ^{41} H. Z. Yu, ^{10} Z. Y. Yu, ^{6} B. B. Yue, ^{10} S. Zeng, ^{6} Y. Zeng, ^{10} L. Zhan, ^{6} C. Zhang, ^{4}
     F. Y. Zhang, <sup>34</sup> H. H. Zhang, <sup>10</sup> J. W. Zhang, <sup>6</sup> Q. M. Zhang, <sup>22</sup> X. T. Zhang, <sup>6</sup> Y. M. Zhang, <sup>10</sup> Y. X. Zhang, <sup>39</sup>
   Y. Y. Zhang, <sup>34</sup> Z. J. Zhang, <sup>30</sup> Z. P. Zhang, <sup>15</sup> Z. Y. Zhang, <sup>6</sup> J. Zhao, <sup>6</sup> L. Zhou, <sup>6</sup> H. L. Zhuang, <sup>6</sup> and J. H. Zou<sup>6</sup>
                                                                     (The Dava Bay Collaboration)
                          <sup>1</sup>Institute of Modern Physics, East China University of Science and Technology, Shanghai
                                                     <sup>2</sup> University of Wisconsin, Madison, Wisconsin 53706
                    <sup>3</sup>Wright Laboratory and Department of Physics, Yale University, New Haven, Connecticut 06520
                                                <sup>4</sup>Brookhaven National Laboratory, Upton, New York 11973

<sup>5</sup>Department of Physics, National Taiwan University, Taipei
                                                              <sup>6</sup>Institute of High Energy Physics, Beijing
                                                                  <sup>7</sup>National United University, Miao-Li
                                           <sup>8</sup>Department of Engineering Physics, Tsinghua University, Beijing
                                                                      <sup>9</sup>Shenzhen University, Shenzhen
                                                       <sup>10</sup>Sun Yat-Sen (Zhongshan) University, Guangzhou
                                                        <sup>11</sup>North China Electric Power University, Beijing
                                                         <sup>12</sup>Chinese University of Hong Kong, Hong Kong
                                                           <sup>13</sup>Siena College, Loudonville, New York 12211
                        <sup>14</sup>Department of Physics and Astronomy, University of California, Irvine, California 92697
                                                    <sup>15</sup> University of Science and Technology of China, Hefei
                                           <sup>16</sup>Charles University, Faculty of Mathematics and Physics, Prague
                        <sup>17</sup>Department of Physics, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801
                                          <sup>18</sup>Lawrence Berkeley National Laboratory, Berkeley, California 94720
                                <sup>19</sup>Department of Physics, Illinois Institute of Technology, Chicago, Illinois 60616
                                              <sup>20</sup> Joint Institute for Nuclear Research, Dubna, Moscow Region
                                                                  <sup>21</sup>Beijing Normal University, Beijing
<sup>22</sup>Department of Nuclear Science and Technology, School of Energy and Power Engineering, Xi'an Jiaotong University, Xi'an
                                        <sup>23</sup>Department of Physics, University of Houston, Houston, Texas 77204
                                                            <sup>24</sup>China Institute of Atomic Energy, Beijing
<sup>25</sup>Shandong University, Jinan
                                      <sup>26</sup>Center for Neutrino Physics, Virginia Tech, Blacksburg, Virginia 24061
                                             <sup>27</sup>Institute of Physics, National Chiao-Tung University, Hsinchu
                                    <sup>28</sup>Department of Physics, University of Cincinnati, Cincinnati, Ohio 45221
        <sup>29</sup>Department of Physics, College of Science and Technology, Temple University, Philadelphia, Pennsylvania 19122
                                                         <sup>30</sup> Dongguan University of Technology, Dongguan
                                  <sup>31</sup>Department of Physics, University of California, Berkeley, California 94720
                                 <sup>32</sup> Department of Physics, The University of Hong Kong, Pokfulam, Hong Kong

<sup>33</sup> School of Physics, Nankai University, Tianjin
```

34 Department of Physics and Astronomy, Shanghai Jiao Tong University,
Shanghai Laboratory for Particle Physics and Cosmology, Shanghai
35 Joseph Henry Laboratories, Princeton University, Princeton, New Jersey 08544
36 California Institute of Technology, Pasadena, California 91125
37 College of William and Mary, Williamsburg, Virginia 23187
38 Nanjing University, Nanjing
39 China General Nuclear Power Group, Shenzhen
40 College of Electronic Science and Engineering, National University of Defense Technology, Changsha
41 Iowa State University, Ames, Iowa 50011
42 Chongqing University, Chongqing
(Dated: August 25, 2020)

The PhysRev abstract.

The PhysRev paper.

* Now at Department of Chemistry and Chemical Technology, Bronx Community College, Bronx, New York 10453

1] O. R. Ahmad *et al.* (SNO Collaboration), Phys. Rev. Lett.

 Q. R. Ahmad *et al.* (SNO Collaboration), Phys. Rev. Lett. 87, 071301 (2001).

A reference. [1]