The PhysRev Title

```
F. P. An, A. B. Balantekin, H. R. Band, M. Bishai, S. Blyth, 5, 6 D. Cao, G. F. Cao, J. Cao, Y. L. Chan, J. F. Chang, Y. Chang, H. S. Chen, Q. Y. Chen, S. M. Chen, Y. X. Chen, Y. X. Chen, L. Chen, J. Cheng, L. Cheng
    Z. K. Cheng, <sup>14</sup> J. J. Cherwinka, <sup>2</sup> M. C. Chu, <sup>9</sup> A. Chukanov, <sup>15</sup> J. P. Cummings, <sup>16</sup> Y. Y. Ding, <sup>8</sup> M. V. Diwan, <sup>4</sup>
   M. Dolgareva, <sup>15</sup> J. Dove, <sup>17</sup> D. A. Dwyer, <sup>18</sup> W. R. Edwards, <sup>18</sup> R. Gill, <sup>4</sup> M. Gonchar, <sup>15</sup> G. H. Gong, <sup>11</sup> H. Gong, <sup>11</sup>
         M. Grassi,<sup>8</sup> W. Q. Gu,<sup>19</sup> L. Guo,<sup>11</sup> X. H. Guo,<sup>20</sup> Y. H. Guo,<sup>21</sup> Z. Guo,<sup>11</sup> R. W. Hackenburg,<sup>4</sup> S. Hans,<sup>4</sup>, *
            M. He, <sup>8</sup> K. M. Heeger, <sup>3</sup> Y. K. Heng, <sup>8</sup> A. Higuera, <sup>22</sup> Y. B. Hsiung, <sup>5</sup> B. Z. Hu, <sup>5</sup> T. Hu, <sup>8</sup> E. C. Huang, <sup>17</sup>
     H. X. Huang, <sup>23</sup> X. T. Huang, <sup>10</sup> Y. B. Huang, <sup>8</sup> P. Huber, <sup>24</sup> W. Huo, <sup>25</sup> G. Hussain, <sup>11</sup> D. E. Jaffe, <sup>4</sup> K. L. Jen, <sup>26</sup>
           X. P. Ji, 27, 11 X. L. Ji, 8 J. B. Jiao, 10 R. A. Johnson, 28 D. Jones, 29 L. Kang, 30 S. H. Kettell, 4 A. Khan, 14
   S. Kohn, <sup>31</sup> M. Kramer, <sup>18,31</sup> K. K. Kwan, <sup>9</sup> M. W. Kwok, <sup>9</sup> T. J. Langford, <sup>3</sup> K. Lau, <sup>22</sup> L. Lebanowski, <sup>11</sup> J. Lee, <sup>18</sup>
J. H. C. Lee,<sup>32</sup> R. T. Lei,<sup>30</sup> R. Leitner,<sup>33</sup> J. K. C. Leung,<sup>32</sup> C. Li,<sup>10</sup> D. J. Li,<sup>25</sup> F. Li,<sup>8</sup> G. S. Li,<sup>19</sup> Q. J. Li,<sup>8</sup> S. Li,<sup>30</sup>
   S. C. Li,<sup>24</sup> W. D. Li,<sup>8</sup> X. N. Li,<sup>8</sup> X. Q. Li,<sup>27</sup> Y. F. Li,<sup>8</sup> Z. B. Li,<sup>14</sup> H. Liang,<sup>25</sup> C. J. Lin,<sup>18</sup> G. L. Lin,<sup>26</sup> S. Lin,<sup>30</sup>
   S. K. Lin, <sup>22</sup> Y.-C. Lin, <sup>5</sup> J. J. Ling, <sup>14</sup> J. M. Link, <sup>24</sup> L. Littenberg, <sup>4</sup> B. R. Littlejohn, <sup>34</sup> J. L. Liu, <sup>19</sup> J. C. Liu, <sup>8</sup> C. W. Loh, <sup>7</sup> C. Lu, <sup>35</sup> H. Q. Lu, <sup>8</sup> J. S. Lu, <sup>8</sup> K. B. Luk, <sup>31, 18</sup> X. Y. Ma, <sup>8</sup> X. B. Ma, <sup>12</sup> Y. Q. Ma, <sup>8</sup> Y. Malyshkin, <sup>36</sup>
 D. A. Martinez Caicedo, <sup>34</sup> K. T. McDonald, <sup>35</sup> R. D. McKeown, <sup>37, 38</sup> I. Mitchell, <sup>22</sup> Y. Nakajima, <sup>18</sup> J. Napolitano, <sup>29</sup>
         D. Naumov, <sup>15</sup> E. Naumova, <sup>15</sup> H. Y. Ngai, <sup>32</sup> J. P. Ochoa-Ricoux, <sup>36</sup> A. Olshevskiy, <sup>15</sup> H.-R. Pan, <sup>5</sup> J. Park, <sup>24</sup>
        S. Patton, <sup>18</sup> V. Pec, <sup>33</sup> J. C. Peng, <sup>17</sup> L. Pinsky, <sup>22</sup> C. S. J. Pun, <sup>32</sup> F. Z. Qi, <sup>8</sup> M. Qi, <sup>7</sup> X. Qian, <sup>4</sup> R. M. Qiu, <sup>12</sup>
        N. Raper,<sup>39, 14</sup> J. Ren,<sup>23</sup> R. Rosero,<sup>4</sup> B. Roskovec,<sup>33</sup> X. C. Ruan,<sup>23</sup> H. Steiner,<sup>31, 18</sup> P. Stoler,<sup>39</sup> J. L. Sun,<sup>40</sup>
    W. Tang,<sup>4</sup> D. Taychenachev,<sup>15</sup> K. Treskov,<sup>15</sup> K. V. Tsang,<sup>18</sup> C. E. Tull,<sup>18</sup> N. Viaux,<sup>36</sup> B. Viren,<sup>4</sup> V. Vorobel,<sup>33</sup>
      C. H. Wang,<sup>6</sup> M. Wang,<sup>10</sup> N. Y. Wang,<sup>20</sup> R. G. Wang,<sup>8</sup> W. Wang,<sup>38, 14</sup> X. Wang,<sup>41</sup> Y. F. Wang,<sup>8</sup> Z. Wang,<sup>11</sup> Z. Wang,<sup>8</sup> Z. M. Wang,<sup>8</sup> H. Y. Wei,<sup>11</sup> L. J. Wen,<sup>8</sup> K. Whisnant,<sup>42</sup> C. G. White,<sup>34</sup> L. Whitehead,<sup>22</sup> T. Wise,<sup>3</sup>

    H. L. H. Wong,<sup>31, 18</sup> S. C. F. Wong,<sup>14</sup> E. Worcester,<sup>4</sup> C.-H. Wu,<sup>26</sup> Q. Wu,<sup>10</sup> W. J. Wu,<sup>8</sup> D. M. Xia,<sup>43</sup> J. K. Xia,<sup>8</sup> Z. Z. Xing,<sup>8</sup> J. L. Xu,<sup>8</sup> Y. Xu,<sup>14</sup> T. Xue,<sup>11</sup> C. G. Yang,<sup>8</sup> H. Yang,<sup>7</sup> L. Yang,<sup>30</sup> M. S. Yang,<sup>8</sup> M. T. Yang,<sup>10</sup>

  Y. Z. Yang, <sup>14</sup> M. Ye, <sup>8</sup> Z. Ye, <sup>22</sup> M. Yeh, <sup>4</sup> B. L. Young, <sup>42</sup> Z. Y. Yu, <sup>8</sup> S. Zeng, <sup>8</sup> L. Zhan, <sup>8</sup> C. Zhang, <sup>4</sup> C. C. Zhang, <sup>8</sup>
    H. H. Zhang, <sup>14</sup> J. W. Zhang, <sup>8</sup> Q. M. Zhang, <sup>21</sup> R. Zhang, <sup>7</sup> X. T. Zhang, <sup>8</sup> Y. M. Zhang, <sup>11</sup> Y. X. Zhang, <sup>40</sup> Y. M. Zhang, <sup>14</sup> Z. J. Zhang, <sup>30</sup> Z. Y. Zhang, <sup>8</sup> Z. P. Zhang, <sup>25</sup> J. Zhao, <sup>8</sup> L. Zhou, <sup>8</sup> H. L. Zhuang, <sup>8</sup> and J. H. Zou<sup>8</sup>
                                                                                            (The Daya 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, USA
                     <sup>3</sup> Wright Laboratory and Department of Physics, Yale University, New Haven, Connecticut 06520, USA
                                                             Brookhaven National Laboratory, Upton, New York 11973, USA
                                                                <sup>5</sup>Department of Physics, National Taiwan University, Taipei
                                                                                         <sup>6</sup> National United University, Miao-Li
                                                                                                 <sup>7</sup>Nanjing University, Nanjing
                                                                                   <sup>8</sup>Institute of High Energy Physics, Beijing
                                                                             <sup>9</sup>Chinese University of Hong Kong, Hong Kong
                                                                                                 <sup>10</sup>Shandong University, Jinan
                                                         <sup>11</sup>Department of Engineering Physics, Tsinghua University, Beijing
                                                                            <sup>12</sup>North China Electric Power University, Beijing
                                                                                             <sup>13</sup>Shenzhen University, Shenzhen
                                                                          <sup>14</sup>Sun Yat-Sen (Zhongshan) University, Guangzhou
                                                              <sup>15</sup> Joint Institute for Nuclear Research, Dubna, Moscow Region
                                                                         <sup>16</sup>Siena College, Loudonville, New York 12211, USA
                         <sup>17</sup>Department of Physics, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801, USA
                                                 <sup>18</sup>Lawrence Berkeley National Laboratory, Berkeley, California 94720, USA
                                                   <sup>19</sup>Department of Physics and Astronomy, Shanghai Jiao Tong University,
                                                         Shanghai Laboratory for Particle Physics and Cosmology, Shanghai
                                                                                         <sup>20</sup>Beijing Normal University, Beijing
<sup>21</sup>Department of Nuclear Science and Technology, School of Energy and Power Engineering, Xi'an Jiaotong University, Xi'an
                                              <sup>22</sup>Department of Physics, University of Houston, Houston, Texas 77204, USA
<sup>23</sup>China Institute of Atomic Energy, Beijing
                                            <sup>24</sup>Center for Neutrino Physics, Virginia Tech, Blacksburg, Virginia 24061, USA
                                                                      <sup>25</sup>University of Science and Technology of China, Hefei
                                                            <sup>26</sup>Institute of Physics, National Chiao-Tung University, Hsinchu
                                                                              <sup>27</sup>School of Physics, Nankai University, Tianjin
                                           <sup>28</sup>Department of Physics, University of Cincinnati, Cincinnati, Ohio 45221, USA
```

Department of Physics, College of Science and Technology, Temple University, Philadelphia, Pennsylvania 19122, USA

30 Dongguan University of Technology, Dongguan

31 Department of Physics, University of California, Berkeley, California 94720, USA

32 Department of Physics, The University of Hong Kong, Pokfulam, Hong Kong

33 Charles University, Faculty of Mathematics and Physics, Prague, Czech Republic

34 Department of Physics, Illinois Institute of Technology, Chicago, Illinois 60616, USA

35 Joseph Henry Laboratories, Princeton University, Princeton, New Jersey 08544, USA

36 Instituto de Física, Pontificia Universidad Católica de Chile, Santiago, Chile

37 California Institute of Technology, Pasadena, California 91125, USA

38 College of William and Mary, Williamsburg, Virginia 23187, USA

39 Department of Physics, Applied Physics, and Astronomy, Rensselaer Polytechnic Institute, Troy, New York 12180, USA

40 China General Nuclear Power Group

41 College of Electronic Science and Engineering, National University of Defense Technology, Changsha

42 Iowa State University, Ames, Iowa 50011, USA

43 Chongqing University, Chongqing

(Dated: March 9, 2017)

The PhysRev abstract.

The PhysRev paper. A reference. [1]

USA

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

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