The Elsevier Title

```
F. P. Ana, A. B. Balantekinb, H. R. Bandc, M. Bishaid, S. Blythe, G. F. Caof, J. Caof, J. F. Changf,
Y. Chang<sup>g</sup>, H. S. Chen<sup>f</sup>, S. M. Chen<sup>h</sup>, Y. Chen<sup>i,j</sup>, Y. X. Chen<sup>k</sup>, J. Cheng<sup>f</sup>, Z. K. Cheng<sup>j</sup>, J. J. Cherwinka<sup>b</sup>,
        M. C. Chul, A. Chukanov<sup>m</sup>, J. P. Cummings<sup>n</sup>, N. Dash<sup>f</sup>, F. S. Deng<sup>o</sup>, Y. Y. Ding<sup>f</sup>, M. V. Diwan<sup>d</sup>,
            T. Dohnal<sup>p</sup>, D. Dolzhikov<sup>m</sup>, J. Dove<sup>q</sup>, M. Dvořák<sup>p</sup>, D. A. Dwyer<sup>r</sup>, J. P. Gallo<sup>s</sup>, M. Gonchar<sup>m</sup>,
             G. H. Gongh, H. Gongh, W. Q. Gud, J. Y. Guoj, L. Guoh, X. H. Guot, Y. H. Guou, Z. Guoh,
           R. W. Hackenburg<sup>d</sup>, S. Hans<sup>d,1</sup>, M. He<sup>f</sup>, K. M. Heeger<sup>c</sup>, Y. K. Heng<sup>f</sup>, A. Higuera<sup>v</sup>, Y. K. Hor<sup>j</sup>,
      Y. B. Hsiung<sup>e</sup>, B. Z. Hu<sup>e</sup>, J. R. Hu<sup>f</sup>, T. Hu<sup>f</sup>, Z. J. Hu<sup>j</sup>, H. X. Huang<sup>w</sup>, X. T. Huang<sup>x</sup>, Y. B. Huang<sup>f</sup>,
          P. Huber<sup>y</sup>, D. E. Jaffe<sup>d</sup>, K. L. Jen<sup>z</sup>, X. L. Ji<sup>f</sup>, X. P. Ji<sup>d</sup>, R. A. Johnson<sup>aa</sup>, D. Jones<sup>ab</sup>, L. Kang<sup>ac</sup>,
S. H. Kettell<sup>d</sup>, S. Kohn<sup>ad</sup>, M. Kramer<sup>r,ad</sup>, T. J. Langford<sup>c</sup>, J. Lee<sup>r</sup>, J. H. C. Lee<sup>ae</sup>, R. T. Lei<sup>ac</sup>, R. Leitner<sup>p</sup>,
   J. K. C. Leung<sup>ae</sup>, F. Li<sup>f</sup>, H. L. Li<sup>f</sup>, J. J. Li<sup>h</sup>, Q. J. Li<sup>f</sup>, S. Li<sup>ac</sup>, S. C. Li<sup>y</sup>, S. J. Li<sup>j</sup>, W. D. Li<sup>f</sup>, X. N. Li<sup>f</sup>,
        X. Q. Li<sup>af</sup>, Y. F. Li<sup>f</sup>, Z. B. Li<sup>j</sup>, H. Liang<sup>o</sup>, C. J. Lin<sup>r</sup>, G. L. Lin<sup>z</sup>, S. Lin<sup>ac</sup>, J. J. Ling<sup>j</sup>, J. M. Link<sup>y</sup>,
        L. Littenberg<sup>d</sup>, B. R. Littlejohn<sup>s</sup>, J. C. Liu<sup>f</sup>, J. L. Liu<sup>ag</sup>, Y. Liu<sup>x</sup>, Y. H. Liu<sup>ah</sup>, C. Lu<sup>ai</sup>, H. Q. Lu<sup>f</sup>,
       J. S. Luf, K. B. Lukad, X. B. Mak, X. Y. Maf, Y. Q. Maf, C. Marshall, D. A. Martinez Caicedos,
     K. T. McDonaldai, R. D. McKeownaj, ak, Y. Mengag, L. Mora Lepinal, J. Napolitanoab, D. Naumovm,
     E. Naumova<sup>m</sup>, J. P. Ochoa-Ricoux<sup>am</sup>, A. Olshevskiy<sup>m</sup>, H.-R. Pan<sup>e</sup>, J. Park<sup>y</sup>, S. Patton<sup>r</sup>, J. C. Peng<sup>q</sup>, C. S. J. Pun<sup>ae</sup>, F. Z. Qi<sup>f</sup>, M. Qi<sup>ah</sup>, X. Qian<sup>d</sup>, N. Raper<sup>j</sup>, J. Ren<sup>w</sup>, C. Morales Reveco<sup>am</sup>, R. Rosero<sup>d</sup>,
           B. Roskovec<sup>am</sup>, X. C. Ruan<sup>w</sup>, N. Shaheed<sup>x</sup>, H. Steiner<sup>ad,r</sup>, J. L. Sun<sup>an</sup>, T. Tmej<sup>p</sup>, K. Treskov<sup>m</sup>,
        W.-H. Tse<sup>1</sup>, C. E. Tull<sup>r</sup>, B. Viren<sup>d</sup>, V. Vorobel<sup>p</sup>, C. H. Wang<sup>g</sup>, J. Wang<sup>j</sup>, M. Wang<sup>x</sup>, N. Y. Wang<sup>t</sup>,
      R. G. Wang<sup>f</sup>, W. Wang<sup>j,ak</sup>, W. Wang<sup>ah</sup>, X. Wang<sup>ao</sup>, Y. Wang<sup>ah</sup>, Y. F. Wang<sup>f</sup>, Z. Wang<sup>f</sup>, Z. Wang<sup>f</sup>, Z. Wang<sup>f</sup>, R. W. Wang<sup>f</sup>, H. Y. Wei<sup>d</sup>, L. H. Wei<sup>f</sup>, L. J. Wen<sup>f</sup>, K. Whisnant<sup>ap</sup>, C. G. White<sup>s</sup>, H. L. H. Wong<sup>ad,r</sup>,
     S. C. F. Wong<sup>j</sup>, E. Worcester<sup>d</sup>, D. R. Wu<sup>f</sup>, F. L. Wu<sup>ah</sup>, Q. Wu<sup>x</sup>, W. J. Wu<sup>f</sup>, D. M. Xia<sup>aq</sup>, Z. Q. Xie<sup>f</sup>, Z. Z. Xing<sup>f</sup>, J. L. Xu<sup>f</sup>, T. Xu<sup>h</sup>, T. Xue<sup>h</sup>, C. G. Yang<sup>f</sup>, L. Yang<sup>ac</sup>, Y. Z. Yang<sup>h</sup>, H. F. Yao<sup>f</sup>, M. Ye<sup>f</sup>,
       M. Yeh<sup>d</sup>, B. L. Young<sup>ap</sup>, H. Z. Yu<sup>j</sup>, Z. Y. Yu<sup>f</sup>, B. B. Yue<sup>j</sup>, S. Zeng<sup>f</sup>, Y. Zeng<sup>j</sup>, L. Zhan<sup>f</sup>, C. Zhang<sup>d</sup>,
  F. Y. Zhang<sup>ag</sup>, H. H. Zhang<sup>j</sup>, J. W. Zhang<sup>f</sup>, Q. M. Zhang<sup>u</sup>, X. T. Zhang<sup>f</sup>, Y. M. Zhang<sup>j</sup>, Y. X. Zhang<sup>an</sup>
  Y. Y. Zhang<sup>ag</sup>, Z. J. Zhang<sup>ac</sup>, Z. P. Zhang<sup>o</sup>, Z. Y. Zhang<sup>f</sup>, J. Zhao<sup>f</sup>, L. Zhou<sup>f</sup>, H. L. Zhuang<sup>f</sup>, J. H. Zou<sup>f</sup>
```

```
<sup>a</sup>Institute of Modern Physics, East China University of Science and Technology, Shanghai
                                          <sup>b</sup>University of Wisconsin, Madison, Wisconsin 53706
                <sup>c</sup> Wright Laboratory and Department of Physics, Yale University, New Haven, Connecticut 06520
                                     <sup>d</sup>Brookhaven National Laboratory, Upton, New York 11973

<sup>e</sup>Department of Physics, National Taiwan University, Taipei
                                                 <sup>f</sup>Institute of High Energy Physics, Beijing
                                                    <sup>g</sup>National United University, Miao-Li
                                  <sup>h</sup>Department of Engineering Physics, Tsinghua University, Beijing
                                                       <sup>i</sup>Shenzhen University, Shenzhen
                                            <sup>j</sup>Sun Yat-Sen (Zhongshan) University, Guangzhou
                                             <sup>k</sup>North China Electric Power University, Beijing
                                             <sup>1</sup>Chinese University of Hong Kong, Hong Kong
                                     <sup>m</sup>Joint Institute for Nuclear Research, Dubna, Moscow Region
                                               <sup>n</sup>Siena College, Loudonville, New York 12211
                                         <sup>o</sup> University of Science and Technology of China, Hefei
                                   <sup>p</sup>Charles University, Faculty of Mathematics and Physics, Prague
                   <sup>q</sup>Department of Physics, University of Illinois at Urbana-Champaign, Urbana, Illinois 61801
                                 <sup>r</sup>Lawrence Berkeley National Laboratory, Berkeley, California 94720
                          <sup>s</sup>Department of Physics, Illinois Institute of Technology, Chicago, Illinois 60616
                                                    <sup>t</sup>Beijing Normal University, Beijing
<sup>u</sup>Department of Nuclear Science and Technology, School of Energy and Power Engineering, Xi'an Jiaotong University, Xi'an
                               <sup>v</sup>Department of Physics, University of Houston, Houston, Texas 77204
                                                <sup>w</sup>China Institute of Atomic Energy, Beijing
```

*Shandong University, Jinan

^y Center for Neutrino Physics, Virginia Tech, Blacksburg, Virginia 24061

^z Institute of Physics, National Chiao-Tung University, Hsinchu

^{aa} Department of Physics, University of Cincinnati, Cincinnati, Ohio 45221

^{ab} Department of Physics, College of Science and Technology, Temple University, Philadelphia, Pennsylvania 19122

^{ac} Dongguan University of Technology, Dongguan

ad Department of Physics, University of California, Berkeley, California 94720
ae Department of Physics, The University of Hong Kong, Pokfulam, Hong Kong
af School of Physics, Nankai University, Tianjin

ag Department of Physics and Astronomy, Shanghai Jiao Tong University, Shanghai Laboratory for Particle Physics and
Cosmology, Shanghai

ah Nanjing University, Nanjing

ai Joseph Henry Laboratories, Princeton University, Princeton, New Jersey 08544

aj California Institute of Technology, Pasadena, California 91125
ak College of William and Mary, Williamsburg, Virginia 23187

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

am Department of Physics and Astronomy, University of California, Irvine, California 92697

an China General Nuclear Power Group, Shenzhen

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

ap Iowa State University, Ames, Iowa 50011

aq Chongqing University, Chongqing

Abstract

The Elsevier abstract

The Elsevier text.

¹Now at: Department of Chemistry and Chemical Technology, Bronx Community College, Bronx, New York 10453