

## LEGEND Author List: November 2020

N. Abgrall, P.J. Barton, R. Carney, Y.-D. Chan, R.J. Cooper,  
A. Drobizhev, Z. Harvey, B. Lehnert, J. Myslik, and A.W.P. Poon  
*Institute for Nuclear and Particle Astrophysics and Nuclear Science  
Division, Lawrence Berkeley National Laboratory, Berkeley, California 94720*

I. Abt, A. Caldwell, F. Fischer, C. Gooch, L. Hauertmann, X. Liu,  
B. Majorovits, L. Manzanillas, O. Schulz, M. Schuster, and A.J. Zsigmond  
*Max-Planck-Institut für Physik, München*

M. Agostini  
*Physik-Department E15, Technische Universität, München and  
University College London, London*

A. Alexander, J. Dobson, G. Marshall, R. Saakyan, and D. Waters  
*University College London, London*

C. Andreoiu and K. Starosta  
*Department of Chemistry, Simon Fraser University, Burnaby, British Columbia*

G.R. Araujo, L. Baudis, J. Huang, Y. Müller, N. McFadden, C. Ransom, and V.H.S. Wu  
*Physik-Institut, University of Zürich, Zürich*

F.T. Avignone III  
*Department of Physics and Astronomy, University of South Carolina, Columbia, South Carolina 29208 and  
Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830*

W. Bae and K. Lang  
*Department of Physics, University of Texas at Austin, Austin, Texas 78712*

A. Bakalyarov, A.S. Barabash, A. Chernogorov, S.I. Konovalov, M. Skorokhvatov, D. Stukov, and V. Yumatov  
*National Research Centre “Kurchatov Institute”, Moscow*

M. Balata, M. Junker, M. Laubenstein, C. Macolino, and C. Vignoli  
*Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali del Gran Sasso, Assergi (AQ)*

M. Bantel, C. Bauer, V. Bothe, J. Hakenmüller, J. Hinton, W. Hofmann, Y. Kermaidic, T. Kihm,  
K.T. Knöpfle, M. Lindner, W. Maneschg, M. Schütt, J. Schreiner, B. Schwingenheuer, and H. Simgen  
*Max-Planck-Institut für Kernphysik, Heidelberg*

I. Barabanov, L. Bezrukov, A. Gangapshev, V. Gurentsov, V. Kazalov,  
V.V. Kuzminov, B. Lubsandorzhev, O. Selivanenko, and A. Veresnikova  
*Institute for Nuclear Research of the Russian Academy of Sciences, Moscow*

P.S. Barbeau, M. Busch, and J. Runge  
*Department of Physics, Duke University, Durham, North Carolina 27708 and  
Triangle Universities Nuclear Laboratory, Durham, North Carolina 27708*

C.J. Barton, J.M. López-Castaño, J. Liu, D. Mei, H. Mei, T. Oli, R. Panth, W. Wei, and W. Xu  
*Department of Physics, University of South Dakota, Vermillion, South Dakota 57069*

E. Bernieri, G. Salamanna, D. Stukov, and D. Tagnani  
*Roma Tre University and INFN Roma Tre, Rome and  
Roma Tre University Istituto Nazionale di Fisica Nucleare, Rome*

K.H. Bhimani, B. Bos, T.S. Caldwell, M. Clark, T. Cohen, A. Engelhardt, J. Gruszko, I. Guinn, C.R. Haufe,  
R. Henning, D. Hervas Aguilar, E. León, E.L. Martin, G. Othman, A.L. Reine, J.A. Solomon, and J.C. Waters

*Department of Physics and Astronomy, University of North Carolina, Chapel Hill, North Carolina 27514 and  
Triangle Universities Nuclear Laboratory, Durham, North Carolina 27708*

V. Biancacci, R. Brugnera, I. Lippi, L. Pertoldi, M. Redchuk, L. Taffarello, and K. von Sturm  
*Dipartimento di Fisica e Astronomia dell'Universita' di Padova and  
Padova Istituto Nazionale di Fisica Nucleare, Padova*

E. Blalock, R. Gala, and M.P. Green  
*Department of Physics, North Carolina State University, Raleigh, North Carolina 27607  
Triangle Universities Nuclear Laboratory, Durham, North Carolina 27708 and  
Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830*

A. Bolozdynya and V.N. Kornoukhov  
*National Research Nuclear University MEPhI (Moscow Engineering Physics Institute), 115409 Moscow*

E. Bossio, T. Comellato, P. Krause, L. Papp, S. Schönert, M. Schwarz, C. Vogl, and C. Wiesinger  
*Physik-Department E15, Technische Universität, München*

A. Boston and D. Judson  
*University of Liverpool, Liverpool*

S. Boyd, D.E. Fields, M. Gold, and D. Loomba  
*Department of Physics and Astronomy, University of New Mexico, Albuquerque, New Mexico 87131*

V. Brudanin, M. Fomina, Y. Gurov, A. Klimenko, O. Kochetov, A. Lubashevskiy,  
I. Nemchenok, S. Rozov, N. Rumyantseva, V. Sandukovsky, E. Shevchik, M. Shirchenko,  
Y. Shitov, A. Smolnikov, S. Vasilyev, E. Yakushev, I. Zhitnikov, and D. Zinatulina  
*Joint Institute for Nuclear Research, Dubna*

N. Burlac, V. D'Andrea, and F. Salamida  
*Department of Physical and Chemical Sciences University of L'Aquila, L'Aquila and  
Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali del Gran Sasso, Assergi (AQ)*

C. Cattadori  
*Istituto Nazionale di Fisica Nucleare, Milano Bicocca, Milano*

C.D. Christofferson and J. Thompson  
*South Dakota School of Mines and Technology, Rapid City, South Dakota, 57701*

P.-H. Chu, S.R. Elliott, I. Kim, R. Massarczyk, S.J. Meijer, and K. Rielage  
*Los Alamos National Laboratory, Los Alamos, New Mexico 87545*

Z. Deng, K. Kang, Y. Li, H. Ma, Y. Tian, L. Yang, and Q. Yue  
*Key Laboratory of Particle and Radiation Imaging (Ministry of Education)  
and Department of Engineering Physics, Tsinghua University, Beijing*

J.A. Detwiler, M.R. Durand, A. Hostiuc, W. Pettus, N.W. Ruof, and C. Wiseman  
*Center for Experimental Nuclear Physics and Astrophysics, and Department  
of Physics, University of Washington, Seattle, Washington 98195*

N. Di Marco  
*Istituto Nazionale di Fisica Nucleare, Laboratori Nazionali del Gran Sasso, Assergi (AQ) and  
Gran Sasso Science Institute, L'Aquila*

F. Edzards, S. Mertens, and M. Willers  
*Physik-Department E15, Technische Universität, München and  
Max-Planck-Institut für Physik, München*

Yu. Efremenko and A. Lopez

*Department of Physics and Astronomy, University of Tennessee, Knoxville, Tennessee 37916*

L. Fajt, R. Hodak, M. Macko, F. Mamedov, E. Rukhadze, F. Simkovic, M. Slavickova, K. Smolek, and I. Stekl  
*Czech Technical University, Institute of Experimental and Applied Physics, CZ-12800 Prague*

M.T. Febbraro, A. Galindo-Uribarri, V.E. Guiseppe, D.C. Radford, R.L. Varner, and C.-H. Yu  
*Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830*

F. Ferella  
*Department of Physical and Chemical Sciences University of L'Aquila, L'Aquila*

H. Fox, R. Jones, L.L. Kormos, and D. Muenstermann  
*Department of Physics, Lancaster University, Lancaster*

A. Garfagnini  
*Padova Istituto Nazionale di Fisica Nucleare, Padova*

A. Geraci, N. Lusardi, P. Piseri, A. Pullia, and S. Riboldi  
*Milano Univ. and Milano Istituto Nazionale di Fisica Nucleare, Milano*

G.K. Giovanetti  
*Department of Physics, Williams College, Williamstown, Massachusetts 01267*

K.P. Gradwohl and R.R. Sumathi  
*Leibniz Institute for Crystal Growth, Berlin*

K. Gusev  
*Joint Institute for Nuclear Research, Dubna and  
Physik-Department E15, Technische Universität, München*

B. Hacket and B. Heffron  
*Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830 and  
Department of Physics and Astronomy, University of Tennessee, Knoxville, Tennessee 37916*

M. Haranczyk, M. Misiaszek, T. Mroz, K. Szczepaniec, M. Wojcik, and G. Zuzel  
*Institute of Physics, Jagiellonian University, Cracow*

C. Hayward  
*Department of Physics, Lancaster University, Lancaster and  
Max-Planck-Institut für Physik, München*

H. Hoffmann, T. Wester, and K. Zuber  
*Technische Universität Dresden, Dresden*

M. Hult and G. Lutter  
*European Commission, Joint Research Centre, Directorate for Nuclear Safety & Security, Geel*

M. Jeřkovský, J. Kaizer, I. Kontul, V. Palušova, and P. Povinec  
*Department of Nuclear Physics and Biophysics, Comenius University, Bratislava*

H.T. Jia, S.T. Lin, and S.K. Liu  
*College of Physical Science and Technology, Sichuan University, Chengdu*

J. Jochum, H. Khushbakht, L. Rauscher, A. Schuetz, and A.-K. Zschocke  
*University Tübingen, Tübingen*

M. Kidd  
*Tennessee Tech University, Cookeville, TN 38505*

H.B. Li, V. Sharma, and H.T. Wong  
*Institute of Physics, Academia Sinica, Taipei*

R.D. Martin and M. Shaflee  
*Department of Physics, Engineering Physics & Astronomy, Queen's University, Kingston*

B. Morgan and Y.A. Ramachers  
*Department of Physics, University of Warwick, Coventry*

G. Orebi Gann  
*Institute for Nuclear and Particle Astrophysics and Nuclear Science Division,  
Lawrence Berkeley National Laboratory, Berkeley, California 94720 and  
Department of Physics, University of California, Berkeley, California, 94720*

W. Pettus, D. Salvat, and R. Tayloe  
*Department of Physics, Indiana University, Bloomington, Indiana 47405*

D. Tedeschi  
*Department of Physics and Astronomy, University of South Carolina, Columbia, South Carolina 29208*

K. Vetter  
*Institute for Nuclear and Particle Astrophysics and Nuclear Science Division,  
Lawrence Berkeley National Laboratory, Berkeley, California 94720 and  
Department of Nuclear Engineering, University of California, Berkeley, California, 94720*

J.F. Wilkerson  
*Department of Physics and Astronomy, University of North Carolina, Chapel Hill, North Carolina 27514  
Triangle Universities Nuclear Laboratory, Durham, North Carolina 27708 and  
Oak Ridge National Laboratory, Oak Ridge, Tennessee 37830*

PACS numbers: