

CALICE author list for “Performance of the first prototype of the CALICE scintillator strip electromagnetic calorimeter” (last updated 25 Sep 2013)

The CALICE Collaboration

C. Adloff, J.-J. Blaising, M. Chefdeville, C. Drancourt, R. Gaglione, N. Geffroy, Y. Karyotakis, I. Koletsou, J. Prast, G. Vouters

Laboratoire d’Annecy-le-Vieux de Physique des Particules, Université de Savoie, CNRS/IN2P3, 9 Chemin de Bellevue BP110, F-74941 Annecy-le-Vieux CEDEX, France

K. Francis, J. Repond, J. Schlereth, J. Smith^a, L. Xia

Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439-4815, USA

E. Baldolemar, J. Li^b, S. T. Park, M. Sosebee, A. P. White, J. Yu

Department of Physics, SH108, University of Texas, Arlington, TX 76019, USA

G. Eigen

University of Bergen, Inst. of Physics, Allegaten 55, N-5007 Bergen, Norway

Y. Mikami, N. K. Watson

University of Birmingham, School of Physics and Astronomy, Edgbaston, Birmingham B15 2TT, UK

G. Mavromanolakis^c, M. A. Thomson, D. R. Ward, W. Yan^d

University of Cambridge, Cavendish Laboratory, J J Thomson Avenue, CB3 0HE, UK

D. Benчекroun, A. Hoummada, Y. Khoulaki

Université Hassan II Aïn Chock, Faculté des sciences. B.P. 5366 Maarif, Casablanca, Morocco

J. Apostolakis, D. Dannheim, A. Dotti, G. Folger, V. Ivantchenko, W. Klempt, E. van der Kraaij^e, A. -I. Lucaci-Timoce, A. Ribon, D. Schlatter, V. Uzhinskiy

CERN, 1211 Genève 23, Switzerland

C. Cârloganu, P. Gay, S. Manen, L. Royer

Clermont Université, Université Blaise Pascal, CNRS/IN2P3, LPC, BP 10448, F-63000 Clermont-Ferrand, France

M. Tytgat, N. Zaganidis

*Ghent University, Department of Physics and Astronomy, Proeftuinstraat 86, B-9000
Gent, Belgium*

G. C. Blazey, A. Dyshkant, J. G. R. Lima, V. Zutshi

NICADD, Northern Illinois University, Department of Physics, DeKalb, IL 60115, USA

J. -Y. Hostachy, L. Morin

*Laboratoire de Physique Subatomique et de Cosmologie - Université Joseph Fourier
Grenoble 1 - CNRS/IN2P3 - Institut Polytechnique de Grenoble, 53, rue des Martyrs,
38026 Grenoble CEDEX, France*

**U. Cornett, D. David, G. Falley, K. Gadov, P. Göttlicher, C. Günter,
O. Hartbrich, B. Hermsberg, S. Karstensen, F. Krivan, K. Krüger, S. Lu,
S. Morozov, V. Morgunov^f, M. Reinecke, F. Sefkow, P. Smirnov, M. Terwort**

DESY, Notkestrasse 85, D-22603 Hamburg, Germany

N. Feege, E. Garutti, S. Laurien, I. Marchesini^g, M. Matysek, M. Ramilli

*Univ. Hamburg, Physics Department, Institut für Experimentalphysik, Luruper
Chaussee 149, 22761 Hamburg, Germany*

K. Briggli, P. Eckert, T. Harion, H. -Ch. Schultz-Coulon, W. Shen, R. Stamen

*University of Heidelberg, Fakultät für Physik und Astronomie, Albert Uberle Str. 3-5
2.OG Ost, D-69120 Heidelberg, Germany*

B. Bilki^h, E. Norbeck, Y. Onel

*University of Iowa, Dept. of Physics and Astronomy, 203 Van Allen Hall, Iowa City, IA
52242-1479, USA*

G. W. Wilson

*University of Kansas, Department of Physics and Astronomy, Malott Hall, 1251 Wescoe
Hall Drive, Lawrence, KS 66045-7582, USA*

K. Kawagoe, Y. Sudo, T. Yoshioka

Department of Physics, Kyushu University, Fukuoka 812-8581, Japan

P. D. Dauncey, A. -M. Magnan

*Imperial College London, Blackett Laboratory, Department of Physics, Prince Consort
Road, London SW7 2AZ, UK*

V. Bartschⁱ, M. Wing

*Department of Physics and Astronomy, University College London, Gower Street, London
WC1E 6BT, UK*

F. Salvatoreⁱ

*Royal Holloway University of London, Department of Physics, Egham, Surrey TW20
0EX, UK*

E. Cortina Gil, S. Mannai

Center for Cosmology, Particle Physics and Cosmology (CP3) Université catholique de Louvain, Chemin du cyclotron 2, 1320 Louvain-la-Neuve, Belgium

G. Baulieu, P. Calabria, L. Caponetto, C. Combaret, R. Della Negra, G. Grenier, R. Han, J-C. Ianigro, R. Kieffer, I. Laktineh, N. Lumb, H. Mathez, L. Mirabito, A. Petrukhin, A. Steen, W. Tromeur, M. Vander Donckt, Y. Zoccarato

Université de Lyon, Université Lyon 1, CNRS/IN2P3, IPNL 4 rue E Fermi 69622, Villeurbanne CEDEX, France

E. Calvo Alamillo, M.-C. Fouz, J. Puerta-Pelayo

CIEMAT, Centro de Investigaciones Energeticas, Medioambientales y Tecnologicas, Madrid, Spain

F. Corriveau

Institute of Particle Physics of Canada and Department of Physics Montréal, Quebec, Canada H3A 2T8

B. Bobchenko, M. Chadeeva, M. Danilov^j, A. Epifantsev, O. Markin, R. Mizuk^j, E. Novikov, V. Popov, V. Rusinov, E. Tarkovsky

Institute of Theoretical and Experimental Physics, B. Cheremushkinskaya ul. 25, RU-117218 Moscow, Russia

N. Kirikova, V. Kozlov, P. Smirnov, Y. Soloviev

P.N. Lebedev Physical Institute, Russian Academy of Sciences, 117924 GSP-1 Moscow, B-333, Russia

D. Besson, P. Buzhan, A. Ilyin, V. Kantserov, V. Kaplin, A. Karakash, E. Popova, V. Tikhomirov

Moscow Physical Engineering Inst., MEPhI, Dept. of Physics, 31, Kashirskoye shosse, 115409 Moscow, Russia

C. Kiesling, K. Seidel, F. Simon[♠], C. Soldner, M. Szalay, M. Tesar, L. Weuste

Max Planck Inst. für Physik, Föhringer Ring 6, D-80805 Munich, Germany

M. S. Amjad, J. Bonis, S. Callier, S. Conforti di Lorenzo, P. Cornebise, Ph. Doublet, F. Dulucq, J. Fleury, T. Frisson, N. van der Kolk, H. Li^k, G. Martin-Chassard, F. Richard, Ch. de la Taille, R. Pöschl, L. Raux, J. Rouëné, N. Seguin-Moreau

Laboratoire de l'Accélérateur Linéaire, Centre Scientifique d'Orsay, Université de Paris-Sud XI, CNRS/IN2P3, BP 34, Bâtiment 200, F-91898 Orsay CEDEX, France

M. Anduze, V. Balagura, V. Boudry, J-C. Brient, R. Cornat, M. Frodin, F. Gastaldi, E. Guliyev, Y. Haddad, F. Magniette, G. Musat, M. Ruan, T.H. Tran, H. Videau

Laboratoire Leprince-Ringuet (LLR) – École Polytechnique, CNRS/IN2P3, F-91128 Palaiseau, France

B. Bulanek, J. Zacek

*Charles University, Institute of Particle & Nuclear Physics, V Holesovickach 2,
CZ-18000 Prague 8, Czech Republic*

**J. Cvach, P. Gallus, M. Havranek, M. Janata, J. Kvasnicka, D. Lednicky,
M. Marcisovsky, I. Polak, J. Popule, L. Tomasek, M. Tomasek, P. Ruzicka,
P. Sicho, J. Smolik, V. Vrba, J. Zalesak**

*Institute of Physics, Academy of Sciences of the Czech Republic, Na Slovance 2,
CZ-18221 Prague 8, Czech Republic*

B. Belhorma, H. Ghazlane

*Centre National de l'Energie, des Sciences et des Techniques Nucléaires, B.P. 1382, R.P.
10001, Rabat, Morocco*

K. Kotera, T. Takeshita, S. Uozumi

Shinshu Univ., Dept. of Physics, 3-1-1 Asahi, Matsumoto-shi, Nagano 390-861, Japan

D. Jeans

*Department of Physics, Graduate School of Science, The University of Tokyo, 7-3-1
Hongo, Bunkyo-ku, Tokyo 113-0033, Japan*

M. Götze, J. Sauer, S. Weber, C. Zeitnitz

*Bergische Universität Wuppertal Fachbereich 8 Physik, Gausstrasse 20, D-42097
Wuppertal, Germany*

♠ *Corresponding author*

E-mail: jeans@icepp.s.u-tokyo.ac.jp

^a*Also at University of Texas, Arlington*

^b*Deceased*

^c*Now at CERN*

^d*Now at Dept. of Modern Physics, Univ. of Science and Technology of China, 96 Jinzhai
Road, Hefei, Anhui, 230026, P. R. China*

^e*Now at University of Bergen*

^f*On leave from ITEP*

^g*Also at DESY*

^h*Also at Argonne National Laboratory*

ⁱ*Now at University of Sussex, Physics and Astronomy Department, Brighton, Sussex,
BN1 9QH, UK*

^j*Also at MEPHI and at Moscow Institute of Physics and Technology*

^k*Now at LPSC Grenoble*

ABSTRACT: Something meaningful

KEYWORDS: hadronic calorimetry; electromagnetic calorimetry.

Contents

1. Introduction	2
------------------------	----------

1. Introduction

Acknowledgments

We gratefully acknowledge the DESY and CERN managements for their support and hospitality, and their accelerator staff for the reliable and efficient beam operation. We would like to thank the HEP group of the University of Tsukuba for the loan of drift chambers for the DESY test beam. The authors would like to thank the RIMST (Zelenograd) group for their help and sensors manufacturing. This work was supported by the Bundesministerium für Bildung und Forschung, Germany; by the the DFG cluster of excellence ‘Origin and Structure of the Universe’ of Germany; by the Helmholtz-Nachwuchsgruppen grant VH-NG-206; by the BMBF, grant no. 05HS6VH1; by the Alexander von Humboldt Foundation (Research Award IV, RUS1066839 GSA); by joint Helmholtz Foundation and RFBR grant HRJRG-002, SC Rosatom; by Russian Grants SS-1329.2008.2 and RFBR08-02-121000-0FI and by the Russian Ministry of Education and Science contracts 02.740.11.0239 and 14.ĐŘ12.31.0006; by MICINN and CPAN, Spain; by CRI(MST) of MOST/KOSEF in Korea; by the US Department of Energy and the US National Science Foundation; by the Ministry of Education, Youth and Sports of the Czech Republic under the projects AV0 Z3407391, AV0 Z10100502, LC527 and LA09042 and by the Grant Agency of the Czech Republic under the project 202/05/0653; by the National Sciences and Engineering Research Council of Canada; and by the Science and Technology Facilities Council, UK.