

OPERA Collaboration in 2013 as of 1/1/2013

In italic: institute representatives at the Collaboration Board.

In green: engineers and support personnel

BELGIUM 1 institution

IIHE, Université Libre de Bruxelles, B-1050 Brussels, Belgium 2

Pierre Vilain, Gaston Wilquet

Guy Van Beek

CROATIA 1 institution

IRB-Rudjer Boskovic Institute, HR-10002 Zagreb, Croatia 4

Kresimir Jakovcic, Budimir Klicek, Ante Ljubicic, Mario Stipcevic

FRANCE 2 institutions

LAPP, Université de Savoie, CNRS/IN2P3, F-74941 Annecy-le-Vieux, France 5

Florian Brunet, Pablo del Amo Sanchez, Dominique Duchesneau, Henri Pessard, Amina Zghiche

Laurent Fournier, Thierry Le Flour, Sophie Lieunard, Inocencio Monteiro, Pierre Mugnier

IPHC, Université de Strasbourg, CNRS/IN2P3, F-67037 Strasbourg, France 3

Marcos Dracos, Cécile Jollet, Anselmo Meregaglia

Thomas Adam, Nathalie Dick, Jacky Schuler, Jacques Wurtz

GERMANY 1 institution

Hamburg University, D-22761 Hamburg, Germany 9

Benjamin Büttner, Joachim Ebert, Torben Ferber, Christoph Göllnitz, Caren Hagner, Martin Hierholzer, Annika Hollnagel, Jan Lenkeit, Björn Wonsak

ISRAEL 1 institution

Department of Physics, Technion, IL-32000 Haifa, Israel 1

Jacques Goldberg

ITALY 9 institutions

INFN - Laboratori Nazionali del Gran Sasso, I-67010 Assergi (L'Aquila), Italy 6

Nicola D'Ambrosio, Natalia Di Marco, Ornella Palamara, Fabio Pupilli, Andrea Schembri, Chiara Sirignano

Lucio Di Paolo, Andrea Meschini

Dipartimento di Fisica dell'Università di Bari and INFN, I-70126 Bari, Italy 5

Marilisa De Serio, Maria Teresa Muciaccia, Alessandra Pastore, Saverio Simone

INFN Sezione di Bari, I-70126 Bari, Italy

Rosa Anna Fini

Aldo Andriani, Pasquale Dipinto, Vito Dipinto

Dipartimento di Fisica dell'Università di Bologna and INFN, I-40127 Bologna, Italy 8

Giorgio Giacomelli, Michele Pozzato, Maximiliano Sioli, Matteo Tenti

INFN Sezione di Bologna, I-40127 Bologna, Italy

Donato Di Ferdinando, Gianni Mandrioli, Laura Patrizii, Gabriele Sirri

Luigi degli Esposti, Vincent Togo, Claudia Valieri

INFN - Laboratori Nazionali di Frascati, I-00044 Frascati (Roma), Italy 8

Vitaliano Chiarella, Andrea Longhin, Nicoletta Mauri, Alessandro Paoloni, Mario Spinetti,

Francesco Terranova, Lucia Votano

Bruno Dulach, Giulietto Felici, Alberto Franceschi, Tommaso Napolitano

CSAAE - Università di Urbino and INFN - Laboratori Nazionali di Frascati

Francesco Grianti

Dipartimento di Fisica dell'Università dell'Aquila and INFN, I-67100 L'Aquila, Italy 2

Flavio Cavanna, *Piero Monacelli*

Dipartimento di Scienze Fisiche dell'Università Federico II di Napoli and INFN,

I-80125 Napoli, Italy 11

Giovanni De Lellis, Antonia Di Crescenzo, Adele Lauria, Maria Cristina Montesi, *Paolo*

Strolin

INFN Sezione di Napoli, I-80125 Napoli, Italy

Andrey Aleksandrov, Salvatore Buontempo, Pasquale Migliozzi, Andrea Russo, Andrey

Sheshukov, Valeri Tioukov

Dipartimento di Fisica dell'Università di Padova and INFN, 35131 I-Padova, Italy 7

Riccardo Brugnera, Alberto Garfagnini, Eduardo Medinaceli

INFN Sezione di Padova, I-35131 Padova, Italy

Alessandro Bertolin, Stefano Dusini, Umut Kose, *Luca Stanco*

Flavio Dal Corso, Claudio Fanin

Dipartimento di Fisica dell'Università di Roma "La Sapienza" and INFN, I-00185 Roma, Italy

3

Carlo Gustavino, Pierferruccio Loverre, *Giovanni Rosa*

Dipartimento di Fisica dell'Università di Salerno and INFN, I-84084 Fisciano, Salerno, Italy 5

Cristiano Bozza, *Giuseppe Grella*, Regina Rescigno, Giorgio Romano, Simona Maria

Stellacci

JAPAN 5 institutions

Toho University, J-274-8510 Funabashi, Japan 6

Tsutomu Fukuda, Hirokazu Ishida, Tomokazu Matsuo, Shoji Mikado, Satoru Ogawa, *Hiroshi*

Shibuya

Aichi University of Education, J-448-8542 Kariya (Aichi-Ken), Japan 1

Koichi Kodama

Kobe University, J-657-8501 Kobe, Japan 5

Shigeki Aoki, Toshio Hara, Keita Ozaki, Hiroki Rokujo, Satoru Takahashi

Nagoya University, J-464-8602 Nagoya, Japan 12

Katsumi Ishiguro, Nobuta Kitagawa, Masahiro Komatsu, Kunihiro Morishima, Naotaka

Naganawa, Tatsunori Naka, *Mitsuhiro Nakamura*, Toshiyuki Nakano, Yuji Nakatsuka, Kimio

Niwa, Takuya Omura, Osamu Sato

* Modifications in group composition apply on 1/4/2012

Utsunomiya University, J-321-8505 Utsunomiya, Japan 1

Yoshihiro Sato

JINR 1 institution

JINR-Joint Institute for Nuclear Research, RUS-141980 Dubna, Russia 6

Artem Chukanov, Sergei Dmitrievsky, *Yuri Gornushkin*, Dmitry Naumov, Alexander

Olshevsky, Svetlana Zemskova

KOREA 1 institution

Gyeongsang National University, 900 Gazwa-dong, Jinju 660-701, Korea 4

Ji Hyun Kim, Sung Hyun Kim, In Gon Park, *Chun Sil Yoon*

RUSSIA 4 institutions

**INR-Institute for Nuclear Research of the Russian Academy of Sciences, RUS-117312
Moscow, Russia 5**

Natalia Agafonova, Alexey Malgin, Victor Matveev, *Olga Ryazhskaya*, Irina Shakiryanova

ITEP-Institute for Theoretical and Experimental Physics, RUS-317259 Moscow, Russia 2

Irina Rostovtseva, *Yuri Zaitsev*

**LPI-Lebedev Physical Institute of the Russian Academy of Sciences, RUS-119991 Moscow, 5
Russia**

**Mikhail Chernyavsky, *Natalia Polukhina*, Tatiana Shchedrina, Nikolai Starkov, Mikhail
Vladimirov**

**Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University,(SINP MSU) 5
RUS-119992 Moscow, Russia**

**Anna Anokhina, Timur Dzhatdov, Dmitry Podgrudkov, *Tatiana Roganova*, Gulmurod
Shoziyov**

Victoria Nikitina, Galina Sazhina

SWITZERLAND 1 institution

**Albert Einstein Center for Fundamental Physics, Laboratory for High Energy Physics
(LHEP), University of Bern, CH-3012 Bern, Switzerland 12**

**Akitaka Ariga, Tomoko Ariga, Anis Ben Dhahbi*, Giulia Brunetti, Antonio Ereditato, Jiro
Kawada, Igor Kreslo, Carlo Mancini Terracciano, *Ciro Pistillo*, Thomas Strauss, Serhan
Tufanli, Jean-Luc Vuilleumier**

* also at Faculté des Sciences, Tunis, Tunisia

TURKEY 1 institution

METU-Middle East Technical University, TR-06800 Ankara, Turkey 4

***Ali Murat Guler*, Cagin Gunes, Mustafa Kamiscioglu, Perihan Tolun**