



PERSONAL INFORMATION

Prof. Dr. **Andrea BRESSAN**



📍 Department of Physics, University of Trieste, via A. Valerio 2, 34127 Trieste Italy

☎ +39 040 558 3360 📠 +39 349 423 5862

✉ Andrea.Bressan@units.it

ORCID: orcid.org/0000-0002-3718-6377

h-index: 60 (Inspirehep), 53 (scopus)

🌐 <https://wwwusers.ts.infn.it/~bressan/>

Sex Male | Date of birth 19/07/1964 | Nationality Italian

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist
<input type="checkbox"/> Mid-Management Level	<input checked="" type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- CURRENT POSITION

2016 – today Associate Professor in Experimental Physics – University of Trieste (IT)

- PREVIOUS POSITIONS

2022 CERN Scientific Associate

2000 – 2016 Researcher Staff in Nuclear Physics – University of Trieste (IT)

2007 – 2018 CERN Associate at the PH Department

1999 – 2000 Guest Scientist - Max-Planck Institut für Kernphysik, Heidelberg (D) (position left at the start of the contract with the University of Trieste)

1997 – 1999 CERN Research Fellow

1995 – 1996 'Assistant Post Doctorat' at the "Département de Physique Nucléaire et Corpusculaire (DPNC), University of Geneve

- INSTITUTIONAL RESPONSIBILITIES

2024 – today President of the University of Trieste CVR Committee

2021 – today Member of the University of Trieste CVR Committee

2008 – today Coordinator for the student Stage and Training Program for both Graduate and Master Students in Physics, University of Trieste (IT)

- TEACHING AND HIGH-FORMATION ACTIVITIES

2008 – today Professor of the course "Laboratorio I," Bachelor Degree Programme in Physics, University of Trieste

2001 – 2006 Professor of the course "Accelerator Physics", Master Degree Programme in Physics, University of Trieste

- ORGANIZATION OF SCIENTIFIC MEETINGS

2024 Convener of the TMD session for the Joint 20th International Workshop on





- 2024 Hadron Structure and Spectroscopy and 5th workshop on Correlations in Partonic and Hadronic Interactions, Yerevan, Armenia
Co-Chair with Anna Martin of the 2024 7th International Workshop on “Transverse phenomena in hard processes and the transverse structure of the proton”; Transversity2024, Trieste, Italy
- 2019 **Member** of the International Advisory Committee of the “International Workshop of Hadron Structure and Spectroscopy IWHSS19”, Lisbon 2019, Portugal
- 2017 **Co-Chair** with Silvia Dalla Torre of the Electron Ion Collider User Group Meeting 2017, Trieste, 18-23 July 2017
- 2013 – **Member** of the International Advisory Committee for the “10th, 11th, 12th and 13th European Research Conference on Electromagnetic Interactions with Nucleons and Nuclei (EINN2013-15-17-19-21-23-25)
- 2016 **Member** of the International Advisory Committee of the “International Workshop of Hadron Structure and Spectroscopy IWHSS16”, Kloster Seeon, 5-9 September 2016, Germany
- 2015 **Member** of the International Advisory Committee of the “International Workshop of Hadron Structure and Spectroscopy IWHSS15”, Suzdal, 18-20 May 2015, Russia
- 2013 **Member** of the International Advisory Committee of the “International Workshop of Hadron Structure and Spectroscopy IWHSS13”, Erlangen, 22-24 July 2013, Germany
- 2012 **Member** of the International Program Committee for the “3rd Workshop on the QCD structure of the nucleon (QCD-N’12)”, 22-26 October, Bilbao, Spain.
- 2012 **Member** of the International Advisory Committee of the “International Workshop of Hadron Structure and Spectroscopy IWHSS12”, Lisbon, 16-18 April 2012, Portugal.
- 2015 **Chairpersons** with Franco Bradamante and Marco Radici for the session: TMD fragmentation functions in $e+e-$ and SIDIS processes of the Conference “XV International Conference on Science, Arts and Culture: A path towards TMD extraction TMD_e2015”, Trieste, 2-4 September 2015, Italy
- 2014 **Convener** of the session “Spin Structure of Nucleon (transverse)” together with Alexei Prokudin and Zuo-Tang Liang for SPIN2014 “The 21st International Symposium on Spin Physics” October 20-24, 2014, Beijing, China
- 2008 **Convener** of the working group “Spin Physics” (Conveners: Elke Aschenauer (JLab), Andrea Bressan (Trieste), Andreas Metz (Temple), Bernd Surrow (MIT)) del “XVI International Workshop on Deep-Inelastic Scattering and Related Subjects”, DIS2008, 7-11 April 2008, University College London, Great Britain

- COMMISSIONS OF TRUST

- 2021 **Chair of the SPD Detector Advisory Committee** for the JINR PAC.
Member of the **LHCC Computing-Review** panel for HL-LHC Common tools review
Member of the Panel for the DOE Science Review of the SoLID Experiment proposed
- 2018 **Reviewer** of the reports from the experiments Alice, CMS at CERN and Hall A and B at JLab for the plenary session on Hadron Physics of the **Conseil Scientifique de l’Institut National de Physique Nucleaire ed de Physique des Particules (IN2P3)**, CNRS, February 8-9, 2018, Paris, France
- 2016 – 2017 **Member of the Working Group 1 ‘Hadron Physics’** (chairs: D. Bettoni e H. Wittig) for the NuPECC Long Range Plan 2016/17 recently published





- 2008 – today **NuPECC Long Range Plan**
Referee for International Journals **Physical Review Letters, Physics Letters B** and **Nuclear Instruments and Methods** in Physics Research **Section A: Accelerators, Spectrometers, Detectors and Associated Equipment.**
- 2014 Invited by the CERN General Director Rolf Heuer to the Ceremony to celebrate CERN's 60th anniversary September 29, 2014

- PARTICIPATION AND LEADERSHIP IN INTERNATIONAL COLLABORATIONS

- 2011 – 2015 **Spokesperson** of the COMPASS Experiment (about 250 physicists from 24 Research Institutes of 13 Countries)
- 2018 – today **Vice-Chair of the Institution Board of the EICUG**
- 2021 – today National Responsible of the AMBER Collaboration**
- 2018 – today **Institution Representative at the Collaboration Board of the AMBER Collaboration**
- 2019 – today **Co-Chair of the Software Working Group** of the EICUG (with M. Diefenthaler and T. Wenaus).
- 2020 – today **Co-Chair of the Computing Coordination Group** of the EICUG (with J. Laurent, BNL and G. Stewart (JLab)).
- 2021 – today **Co-Chair of the Software Working Group of the EPIC Collaboration**
- 2022 **Run Coordinator of the 2022 COMPASS run**
- 2016 – today **Institution representative** for the INFN and Department of Physics Trieste groups within the Electron Ion Collider (EIC) User Group Council.
- 2017 – 2020 **Chair** of the Publication Committee of the COMPASS Experiment
- 2015 – 2020 **Member** of the Publication Committee of the COMPASS Experiment from December 1, 2007 till April 1, 2011, and from December 1, 2015 till 2020.
- 2011 – 2017 Member of the Publication Committee of the COMPASS Experiment
- 1997 – today Member of the CERN COMPASS Collaboration (71 Publications)
- 2005 – today Member of the FAIR PANDA Collaboration (10 Publications)
- 1996 – 2000 Member of the CERN Gaseous Detector Development group GDD lead by F. Sauli (18 Publications)
- 1993 – 2000 Member of the CERN Spin Muon Collaboration (21 Publications)
- 1993 – 1997 Member of the CERN PS206 Collaboration (5 Publications)
- 1991 – 1997 Member of the CERN PS199 Collaboration (11 Publications)
- 1996 Member of the HMC Proposal
- 1995 Member of the HELP Proposal
- 1994 Member of the ASSIA Proposal

- PRESS RELEASES AND COMMUNICATIONS

- 2018 Invited speaker on “Perspective for hadron physics and e-hadron colliders” at the INFN workshop in preparation for the European Strategy “[Fisica delle Particelle, verso la nuova Strategia Europea](#)”, Rome, September 6-7 2018
- 2015 Coauthor of the CERN Press Release for [the COMPASS measurement of the pion polarisability CERN experiment brings precision to a cornerstone of particle physics](#) together with the CERN General Director Rolf Heuer
- 2015 INFN Press Communicate [da COMPASS una misura chiave dell'interazione forte.](#)





- 2016 Author of a dissemination article “The COMPASS measurement of the pion polarizability” for the NuPECC review Nuclear Physics News: Nuclear Physics News Volume 26, 2016 - Issue 2
- 2015 Invited speaker for the Conference “**EU-RUSSIA YEAR of SCIENCE A window on Physics, Biology and Technology**”, [EU-Russia Year of Science 2014](#), organized by: Ambasciata d'Italia a Mosca, SISSA - Trieste, International Centre of Theoretical Physics - Trieste, Istituto Nazionale di Fisica Nucleare- Rome, Joint Institute of Nuclear Research, Dubna. November 4-6, 2015, Trieste, Italy

- PUBLICATIONS, PROPOSALS, PRESENTATIONS

- Co-author of more than 230 publications in refereed journals
- Presenter of 50 talks at international conferences and workshops (28 on invitation)
- Proponent of 6 Experiment proposals and Letters of Intent

- TWENTY YEARS TRACK RECORD

- **Most important scientific achievements:**
 - **EIC & COMPASS (2016-2018)**
 - Organization of the first non US meeting of the Electron Ion Collider User Group
 - Participation to the R&D programs eRD20 and RDFA
 - Development of the Monte Carlo for the COMPASS phase II SIDIS measurements
 - **COMPASS Spokespersonship (2011-2015)**
 - MOU for the COMPASS phase two between CERN, funding agencies and institutes participating to COMPASS
 - Approval of the Scientific Program by the SPS Committee
 - **Analysis (2005-2010):**
 - **RICH-1 detector (2000-2005):**
 - **GEM based detectors (1997-2000):**
 - In charge of the development design first production of GEM based detectors, with double x-y coordinates read-out for the small area tracking system of the COMPASS experiment
- **Editor of research monographs**
 - 2007 **Editor** of “6th International Workshop on Ring Imaging Cherenkov Counters (RICH2007) Stazione Marittima, Trieste, Italy 15 - 20 October 2007” Special Issue of Nucl. Instr. Meth. A595, 2008. A. Bressan, S. dalla Torre, B. Gobbo and F. Tessarotto
 - 2004 **Editor** of “Spin Physics. Polarized Electron Sources And Polarimeters Proceedings, 16th International Symposium, Spin 2004, Trieste, Italy, October 10-16, 2004, And Workshop, Pesp 2004, Mainz, Germany, October 7-9, 2004” K. Aulenbacher, F. Bradamante, A. Bressan and A. Martin
 - Author of a **Review Article** with H. Avakian (JLab) and M. Contalbrigo (INFN, Sezione di Ferrara) “Experimental results on TMDs” written for the Topical issue on the 3-D structure of the nucleon for The European Physical Journal A. Editors: M. Anselmino, M. Guidal e P. Rossi



EDUCATION AND TRAINING

1995 PhD degree; National Committee at La Sapienza. Title
“Measurement of the cross-section of the proton antiproton to
neutron antineutron charge exchange reaction at LEAR”, Rome, a.y.
1993/94

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English, Advanced
French, Intermediate

Digital skills Programming in C++, Fortran, tcsh, bash, perl, html, php, javascript

Prof. Andrea Bressan