

Short CV of Prof. Alexis Pompili (version 10.01.2025)

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→ Office @ CERN (CH-1211 Genève 23, Switzerland) - Building 13 - Floor 2 - Office 027.

01.03.2024 - now : Full Professor (Professore Ordinario) at Università degli Studi di Bari; with I.N.F.N. Research Assignment (Incarico di Ricerca dell'I.N.F.N.) in the CMS Experiment at CERN (since 01.01.2007); member of the CMS Collaboration (since 2007). CMS representative in the LHC Heavy Flavour Working Group (<https://lpcc.web.cern.ch/content/lhc-hf-wg-wg-heavy-flavour-physics-lhc>)

01.09.2019 - 28.02.2024 : Associate Professor (Professore Associato) at Università degli Studi di Bari. CERN Scientific Associate in 2021. Member of the HFLAV cross-experiment collaboration (2018-2023). Sub-convener Topical Group RF07 (Hadron Spectroscopy) @ US-Snowmass2021 (2020-2022).

01.10.2006 - 31.08.2019 : Permanent Research Staff/Ricercatore a Tempo Indeterminato and Tenured Adjunct Professor/Professore Aggregato at Università degli Studi di Bari. *National Scientific Qualification* (ASN) as Associate (Full) Professor since 2013 (2018). Associate of the BaBar Collaboration at SLAC (2007-2014).

12.07.2005 - 30.09.2006 : Technological Research staff (Ricercatore-Tecnologo di Livello III) at I.N.F.N.-C.N.A.F. hosted at the Physics Department of Università degli Studi di Bologna (Italy). Member of the BaBar Collaboration (since 1998 and till 2006).

16.04.2001 - 15.04.2005 : Post-Doctoral Fellow (Assegno di Ricerca) at Università di Bari.

February - April 2001 : Visiting Researcher at SLAC - DOE Stanford Labs (California), supported by a Della Riccia Foundation research bourse.

Education: 1.11.1997 - 17.01.2001 (XIII cycle) **Ph.D. in Physics** at Università degli Studi di Trieste (Italy); 1997 **Master Degree in Physics** at Università degli Studi di Bari.

Teaching activities (current and past ones - since 2001): more than 30 courses for Università di Bari (Physics and Chemistry Bachelor, Physics and Mathematics Master and Physics Ph.D. courses) and for Politecnico di Bari (Bachelor courses); currently *titolare* of the courses "Statistical Data Analysis" and "Scientific Data Analysis Laboratory", respectively in the 1st and 2nd year of Corso Magistrale in Fisica (Indirizzo Nucleare, Subnucleare e Astroparticellare), since 2020.

→ AP has taught two Ph.D. courses for Università degli Studi di Padova (2018-2019) and two Ph.D. courses for CINESTAV-Mexico City (2018-2019).

→ Initiator/promoter of three Erasmus+ institutional agreements with the Faculty of Physics of Sofia University St. Kliment Ohridski, the Department of Physics of University of Ioannina and the Department of Physics of NKUA (National Kapodistrian University of Athens). AP has taught two master mini-courses - in the first two universities, both in 2023 - within the Erasmus+ teaching mobility program.

Publications: AP is author of more than 1700 published papers on scientific peer-reviewed journals and of about 20 peer-reviewed Proceedings of Conferences/Workshop); **Hirsch-index: 90** (WoS).

Conferences: Participation as speaker/presenter at about 30 - mostly International - Conferences, Workshops and Seminars (a few upon personal invitation). Organizer or session convener of a good number of International Conferences and Workshop (among which LHCP2018, WIN2019, SQM2019, SM@LHC2022, HADRON2023).

Main scientific responsibilities (current and past ones):

CMS representative in the LHC Heavy Flavour WG (2021-now),
Member of CMS BPH/TOP physics Publication Committee (2022-now),
B-Physics (BPAG) Co-convener/L2 (2019-2021),
CMS-Bari group Institutional Team Leader and Member of the CMS Management Board (2018-2019),
BPAG Spectroscopy and Properties WG co-convener/L3 (2017),
BPAG Spectroscopy WG co-convener/L3 (2015-2016),
BPAG Quarkonia WG co-convener/L3 (2014),
CMS Monte Carlo production / LCG3 team co-coordinator (2007);
Operation Manager of the BaBar Tier-1 hosted at INFN-CNAF (2005-2006).

Peer review activities in high Impact Factor Journals (current and past ones):

European Physical Journal C (since 2022),
Physical Review Letters (since 2021),
Physics Letters B (since 2016),
Nuclear Physics B (in 2014).

AP has been also reviewer of grant projects for the Israel Science Foundation (2020), the National Science Centre Poland (2021) and the french Agence Nationale de la Recherche (2023).

Projects : AP has been scientific coordinator of a few ministerial projects (among them the Bilateral Scientific Cooperation Agreement with Mexico 2018-20, between italian MAECI and mexican AMEXCID) and has participated to 6 PRIN/PON projects (as WP coordinator or participant). He has also participated to two UniBA projects (one *EuroSeeds* and one *RIPARTI*, the latter funded by Regione Puglia).

→ AP is currently participating to the National Centre for HPC, Big Data and Quantum Computing (Spoke-2, as WP4 coordinator) - ICSC - PNRR project (Next Generation EU funds) and in a PRIN2022 project on Hadron Spectroscopy. Currently also coordinates the activities of an Innovation Grant (ICSC/Spoke-2+5) and is the external reviewer of an Open Call project within ICSC/Spoke-2.

Other commitments : AP has participated (since 2013) in a few institutional boards concerning the University (UniBA) organization and management (former member of Giunta del Dipartimento Interateneo di Fisica, former member of Giunta della Facoltà di Scienze; former member of the Commissione per la Revisione dello Statuto di UniBA).

AP is (has been) Supervisor of 7 Ph.D. students. He is (has been) external reviewer of 7 Ph.D. thesis: 2 for UniPD, 3 for UniFE, 1 for UniBO and UniMI-Bicocca.

He has also co-organized live CMS virtual visits, through video-conference, in the framework of outreach public events for the European Researcher's Night (years 2015, 2017, 2018 and 2019).

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