Short Curriculum Vitae

- 1967 – 1973: Researcher of the ***Comitato Nazionale per l'Energia Nucleare (CNEN) at Laboratori Nazionali di Frascati (LNF)***

• Meson photoproduction, at the **LNF Electrosynchrotron**.,
Development of fast simulation tools and calculations related to final state interaction on Deuterium and Heavy Nuclei.

• QED tests and multihadronic production experiment ($\gamma\gamma 1$), at the **LNF electron-positron storage ring ADONE**.

• QED tests and multihadronic production experiment ($\gamma\gamma 2$), at the **LNF electron-positron storage ring ADONE**.
- The best measurement, till now, of the total electron-positron annihilation in the total c.m. energy interval 1.4-3.1 GeV.
- First study and discovery of the J/Ψ resonance.

- 1973 - : Employed by the ***Istituto Nazionale di Fisica Nucleare (INFN)*** **at the *LNF,* as Research Director.**

• Charm photoproduction (FRAMM)**,** at **CERN in Geneva.**

- 1981-1982**:** Contract researcher at the ***Laboratoire de l'Accelerateur Lineare (LAL) at Orsay (FRANCE)***

• Multihadronic production experiment (DM2), at the **LAL electron-positron storage ring DCI**.

• ALEPH experiment at the **CERN electron-positron storage ring LEP**.

• Neutron Time-like Form Factors (FENICE) experiment at the renewed **LNF electron-positron storage ring ADONE.**
- The first and unique, till now, measurement of the Time-like Neutron Form Factors.
- Start theoretical studies in hadronic physics and on Baryon structure, like calculation of the Nucleon Form Factors in the unphysical Region, solving Dispersion Relation equations.

- 1990-1993**: LNF Research Division Director**.

• LNF φ-Factory DAφNE physics case

• KLOE **at** DAφNE, as Responsible of the Drift Chamber**.**
In particular in the mechanical structure of the Drift Chamber, the biggest in the world (4 m diameter), made of carbon fibre, 1 cm thick.

- 1995-2001**:** Contract researcher **at the B-Factory PEPII and at the BaBar experiment at SLAC (USA), as Responsible of the Muon detector.**

• On the basis of the BaBar measurements, the deep implications on Baryon Form Factors close to their threshold had been exploited during this period.

- 2002-2011**:** Director of the ***Museo Storico della Fisica e Centro Studi e Ricerche Enrico Fermi*** **(Enrico Fermi Physic History Museum and Research Center) in Rome, Professor Antonino Zichichi President.**

• Management of multidisciplinary studies, in order to integrate the knowledge generated in different fields and to promote discussion among top scientists with different areas of expertise.

• Organization of the Extreme Energy Events (EEE) Project: construction of Multigap Resistive Plate Chamber (RPC) by high school students and teachers at CERN and installation of Multigap RPC in high schools, for detecting high energy cosmic ray showers and looking fortheir coincidences among neighbor (and might be far) schools.

• Participation in the E687 experiment at FERMI National Accelerator Laboratory (FERMILAB),. Discovering a dip structure in 6 pions diffractive photoproduction

• Partecipation to the ALICE experiment at LHC at CERN.

- 2008 till now:

• Partecipation to BESIII at BEPCII at IHEP (CHINA), as CAS senior fellow,
- Studying baryon-antibaryon pair production.
- Studying the phase between strong and em J/Ψ decay.
- Installation of a small calorimeter at zero degree (ZDD) to detect photons by Initial State Radiation.
- Proposing and working on a GEMs detector as first tracker device, to be installed in 2019

• Until 2017 Link person in the IHEP-INFN relationships.