



## 張元翰教授 (Yuan-Hann Chang, Ph.D.) 簡介



Distinguished Research Fellow  
Institute of Physics  
Academia Sinica  
128 Academia road, Section 2, Nankang,  
Taipei 11529, Taiwan

E-mail: Yuan-Hann.Chang@cern.ch

### ■ Education:

B. Sc. in Physics      National Taiwan University, 1983  
Ph.D in Physics      Massachusetts Institute of Technology, 1990  
Thesis: "Hadron Production from  $e^+e^-$  Collisions around the  $Z^0$  mass"

### ■ Professional Positions:

04/1990 – 06/1991      Postdoctoral Associate, Laboratory for Nuclear Science, MIT.  
07/1992 – 12/1993      Research Associate, MIT.  
01/1994 – 07/1999      Associate Professor, National Central University, Taiwan  
08/1999 – 01/2020      Professor, National Central University.  
08/2002 – 07/2007      Chairman, Department of Physics, NCU  
08/2006 – 07/2007      Standing Dean of Science, NCU  
02/2011 – 07/2013      Dean, Office of International Office, NCU  
02/2020 – 07/2021      Research fellow, Institute of Physics, Academia Sinica  
08/2021 – present      Distinguished Research Fellow, Institute of Physics, Academia Sinica

### ■ Research Activities:

04/1984 – 08/1985      Mark-J experiment DESY, Hamburg  
02/1987 – 04/1990      L3 experiment, CERN, Geneva  
Construction of L3 muon chamber,  
Physics analysis.  
04/1990 – 06/1991      Drift chamber R&D for  $L^*$  experiment, SSC.  
07/1992 – 12/1993      Data analysis in L3 experiment,  
Search for phenomena beyond the standard model,  
R&D for Silicon microstrip detectors.  
01/1994 – Present      AMS experiment  
Design, production and testing of AMS electronics,  
Data analysis,  
Ongoing: AMS Tracker upgrade.  
01/1995 – 12/1997      BELLE experiment  
Forward Calorimeter of BELLE detector.

01/1996 – 12/1998 PHOBOS experiment  
Silicon detectors for PHOBOS experiment.

08/2005 – 07/2009 NCT experiment  
Collaboration with U.C. Berkeley group to build a Compton telescope,  
Design, production, and testing of NCT electronics.

08/2000 – 07/2013 CMS experiment  
Production and testing of Silicon sensors for the Preshower detector,  
Physics analysis.

08/2020 – Present TASEH experiment  
PI, search for low mass Axion Dark Matter.

■ **Honors:**

07/1991 – 06/1992 SSC fellow, Superconducting Super Collider.  
2000 Junior Research Investigators Award, Academia Sinica.  
2007 – 2017 Distinguished professor, NCU.  
2013 Outstanding research award, Ministry of Science and  
Technology, R.O.C.  
2014 Fellow, Taiwan Physical Society  
2017 - 2019 Chair Professor in Physics, National Central University

■ **Services:**

10/2008 – 09/2009 CMS conference committee, CMS collaboration  
01/2016 – 12/2017 Chair, General physics panel, Natural Science Division, Ministry of  
Science and Technology  
11/2019 – 09/2021 PI and founder, Taiwan Instrument and Detector Consortium (TIDC)  
01/2018 – 12/2022 Director, Center of High Energy and High Field Physics, supported by  
the High Education Sprout Project, Ministry of Education.  
05/2022 – present Director, Academia Sinica Grid Computing Center (ASGC)  
06/2023 – present PI, NCTS Core Computing Facility.  
05/2022 – present Taiwan representative to Worldwide LHC Computing Grid (WLCG)  
Institute board and Overview Board  
10/2021 – present International Union of Physics and Applied Physics (IUPAP) Taiwan  
Liaison  
10/2021 – present IUPAP C4 (Cosmic Rays) Commission member