



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 5823

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Fisica Aldo Pontremoli

Scientist- in - charge: Nicola Neri

[Name and surname]

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Wang
Name	Ziyi

### PRESENT OCCUPATION

Appointment	Structure
Ph.D. graduate	University of Chinese Academy of Sciences

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Ph.D.	Particle Physics and Nuclear Physics	University of Chinese Academy of Sciences	5 years
BSc.	Particle Physics and Nuclear Physics	Lanzhou University	4 years

### FOREIGN LANGUAGES

Languages	level of knowledge
English	Proficient user C1

### AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2022	First prize of the 12 <sup>th</sup> "Chenguang Cup" Paper Awards for Early-Career Scientist, organized by the High Energy Physics Branch of Chinese Physical Society.
2022	Chinese Academy of Sciences President's Scholarship
2018-2022	University of Chinese Academy of Sciences Scholarship for Ph.D. student



## TRAINING OR RESEARCH ACTIVITY

The 2019 Weihai High-Energy Physics School (WHEPS). The course of summer scholl covers topics in Higgs physics, beyond the Standard Model, future colliders, and statistics. We students in small groups presented the studies on "Prospect study on Higgs coupling combination".

## PROJECT ACTIVITY

Year	Project
2018 to present	Participating member of BEIII Collaboration
2022 to present	Participating member of LHCb Collaboration

## CONGRESSES AND SEMINARS

Date	Title	Place
May. 2021	7th Seminar on XYZ particles	Qingdao, China
Jun. 2021	10th International Workshop on Charm Physics	Mexico
Sep. 2022	2nd Workshop on electromagnetic dipole moments of unstable particles	Gargnano del Garda, Italy

## PUBLICATIONS

Published Articles
BESIII Collaboration, <i>Precise measurements of branching fractions for <math>D_s^+</math> meson decays to two pseudoscalar mesons</i> , JHEP 08, 146 (2020).
BESIII Collaboration, <i>Observation of a Near-Threshold Structure in the <math>K^+</math> Recoil-Mass Spectra in <math>e^+e^- \rightarrow K^+(D_s^- D^{*0} + D_s^{*-} D^0)</math></i> , Phys. Rev. Lett. 126, 102001 (2021).
BESIII Collaboration, <i>Evidence for a Neutral Near-Threshold Structure in the <math>K_S^0</math> recoil-mass spectra in <math>e^+e^- \rightarrow K_S^0 D_s^+ D^{*-}</math> and <math>e^+e^- \rightarrow K_S^0 D_s^{*+} D^-</math></i> , Phys. Rev. Lett. 129, 112003 (2022).
BESIII Collaboration, <i>Search for hidden-charm tetraquark with strangeness in <math>e^+e^- \rightarrow K^+ D_s^{*-} D^{*0} + c.c.</math></i> , Chin. Phys. C 47, 033001 (2023).
BESIII Collaboration, <i>Observation of Three Charmoniumlike States with <math>J^{PC} = 1^{--}</math> in <math>e^+e^- \rightarrow D^{*0} D^{*-} \pi^+</math></i> , Phys. Rev. Lett. 130, 121901 (2023).

Congress proceedings
Observation of the $Z_{cs}(3985)^-$ and the studies on $Z_c$ states at BESIII, PoS CHARM2020, 046 (2021).

## SOFTWARE EXPERINCE

Contribute to the partial-wave-analysis tool, <a href="#">TF-PWA</a> , which is new framework using TensorFlow and can run on both CPU and GPU. Contributed to the early validation, crosscheking against the results based on different frameworks (like HelPWAAALog which is widely used in BESIII).
Contribute ot Real Time Analysis Project at LHCb Run3 development: Develop the Counter handler module for LHCb PR Dashboard; Contribute to preparing Run3 HLT2 trigger lines in various physics groups; Contribute to the T-track HLT2 trigger lines.



## TEACHING EXPERIENCES

Teaching assistant in Atomic Physics for undergraduate students, 2020-2021.

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: \_\_\_\_\_, 03/07/2023