Wei-Chih Huang

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Education

Sep. 2015 – Jun. 2019	*Bachelor of Science in Physics Department* **National Tsing Hua University, Taiwan**
Sep. 2019 – present	*Phd in Physics & Astronomy Department* **Texas A&M University, US**

Fields of Interest

Nuetrino Physics, Dark Matter, Cosmology, High Energy Physics, Nuclear Physics

Research Experience

Jan. 2021 – present	**Coherent Elastic neutrino-nucleus Scattering (CEvNS): Sterile Neutrino Search** *Physics & Astronomy department, Texas A&M University, US*
Aug. 2019 – present	**Inelastic Neutrino-Nucleus scattering using Bigstick and Nuclear Shell Model** *Physics & Astronomy department, Texas A&M University, US*
Nov. 2017 – Aug. 2019	**Indenpendent Undergraduate Research** *Physics department, National Tsing Hua University, Taiwan* Project: Inflation and late-time acceleration in $f(R)$ gravity theory
Jul. 2018 – Aug. 2018	**UCAT Summer Student Program** *The University Consortium of ALMA–Taiwan* Project: Dark matter in merging galaxies

Honors and Awards

FlyUP Project Scholarship

Spring 2015	Tuition Wavier
Spring 2016	Tuition Wavier
Fall 2017	Textbooks Financial Aid
Fall 2018	Textbooks Financial Aid

Undergraduate Research Scholarship

Fall 2018	Scholarship for the $f(R)$ gravity project

Scientific Activities

Nov. 2017 – Aug. 2019	**Physics Department, National Tsing Hua University** Independent undergraduate research
Summer 2018	**Atacama Large Millimeter/Submillimeter Array (AMLA)**

Summer Student Program

Summer 2018	ALMA Summer Training Camp

NCTS Summer School on Astrophysics

Sep. 2018	Accretion and Emission of Accreting Black Holes

NCTS Annual Theory Meeting 2018:Particles, Cosmology and Strings

Dec. 2018	Conferences/Workshops : Particle Physics, String Theory

Work/Teaching Experience

Shu Guang Girls' Senior High school
Teaching Assistant, physics and other science subjects, Spring 2016

TAMU Physics 408, Thermodynamics and Statistical Mechanics
Teaching Assistant (grader), Fall 2019

TAMU Physics 206, Newtonian Mechanics for Engineering and Science
Teaching Assistant, Spring 2020

TAMU Physics 207, Electricity and Magnetism for Engineering and Science
Teaching Assistant (Lab), Summer 2020

TAMU Physics 207, Electricity and Magnetism for Engineering and Science
Teaching Assistant, Fall 2020

TAMU Physics 207, Electricity and Magnetism for Engineering and Science
Teaching Assistant, Spring 2021

Programming Skills

Python, Bash, C/C++, Javascript, Matlab, Mathematica

My GitHub	`https://github.com/noctildon`