

Department of Physics, The Chinese University of Hong Kong
PHYS3710 Short Experimental Projects I (2022-2023 1st Semester)

A. Schedules

Briefing session: Briefing at 6:30 p.m., 6th September 2022 at SC L2

Project selection: Before 9th September, 2022 12:00 noon at SC216

B. List of Projects and Participating Students

	Group 1			Group 2			Group 3			Group 4		
(Professor in-charge) Projects	(Wu) Special Relativity	(Wu) Nuclear Detectors	/	(Wu) Special Relativity	(Wu) Nuclear Detectors	/	(Wu) Special Relativity	(Wu) Nuclear Detectors	/	(Wu) Special Relativity	(Wu) Nuclear Detectors	/
Student			/			/			/			/
TA	Mr. TAO Yiran (陶一然)											
(Professor in-charge) Projects	(W) Saturation Spectroscopy	(W) NMR	(W) Single photon interferometer	/	(W) NMR	(W) Single photon interferometer	(W) Saturation Spectroscopy	(W) NMR	(W) Single photon interferometer	/	(W) NMR	(W) Single photon interferometer
Student				/						/		
TA	Ms. Chen Guanghua (陳光華)											
(Professor in-charge) Projects	(L) Rutherford scattering	(Wu) Coupled Oscillator	(L) Charge-coupled devices (CCD)	(L) Rutherford scattering	(Wu) Coupled Oscillator	(L) Charge-coupled devices (CCD)	(L) Rutherford scattering	(Wu) Coupled Oscillator	(L) Charge-coupled devices (CCD)	(L) Rutherford scattering	(Wu) Coupled Oscillator	(L) Charge-coupled devices (CCD)
Student												
TA	Ms. Lu Yao (路瑤)											
(Professor in-charge) Projects	(W) High Tc Superconductor YBCO	(X) Magnetic property of Cu-Ni Alloy	/	(W) High Tc Superconductor YBCO	(X) Magnetic property of Cu-Ni Alloy	/	(W) High Tc Superconductor YBCO	(X) Magnetic property of Cu-Ni Alloy	/	(W) High Tc Superconductor YBCO	(X) Magnetic property of Cu-Ni Alloy	/
Student			/			/			/			/
TA	Mr. Lang Feng (郎峰)											
(Professor in-charge) Projects	(L) Heat Engine	(L) Muon Lifetime	(X) Brownian Motion	(L) Heat Engine	(L) Muon Lifetime	(X) Brownian Motion	(L) Heat Engine	(L) Muon Lifetime	(X) Brownian Motion	(L) Heat Engine	(L) Muon Lifetime	(X) Brownian Motion
Student												
TA	Mr. Xu Youhan (徐有涵)											
(Professor in-charge) Projects	(X) Diodes	/	(X) Water wave and Soliton	(X) Diodes	(W) Optical Cavity	(X) Water wave and Soliton	(X) Diodes	/	(X) Water wave and Soliton	(X) Diodes	(W) Optical Cavity	(X) Water wave and Soliton
Student		/						/				
TA	Mr. Jin Mucan (金沐燦)											
Project period	13/9/2022 - 26/9/2022			5/10/2022 - 18/10/2022			25/10/2022 - 7/11/2022			14/11/2022 - 25/11/2022		
Report due	3/10/2022			25/10/2022			14/11/2022			3/12/2022		

C. Contacts

Name	Contact no.	Email	Office	Consultation Hours	Projects in-charge
Professor WANG Dajun (王大軍教授) (W)	394 36395	djwang@cuhk.edu.hk	SC G7	Monday 10:00 - 11:00	Optical Cavity, Saturation Spectroscopy, NMR, High Tc Superconductor YBCO, Single photon interferometer
Professor XU Lei (徐磊教授) (X)	394 36307	xuleixu@cuhk.edu.hk	SC 308	Monday 10:00 - 11:00	Brownian Motion, Water wave and Soliton, Magnetic property of Cu-Ni Alloy, Diodes
Professor WU Yilin (吳藝林教授) (Wu)	394 36354	ylwu@cuhk.edu.hk	SC 306	By appointment	Special Relativity, Coupled Oscillator, Nuclear Detectors
Professor LU Xinhui (路新慧教授) (L)	394 36350	xinhui.lu@cuhk.edu.hk	SC G11	Tuesday 15:00 - 16:00	Heat Engine, Muon Lifetime, Rutherford scattering, Charge-coupled devices (CCD)
Technician: Mr. Gary Lai (黎鎮禧)	6078 2512	gary.lai@cuhk.edu.hk	SC 216	Office Hours (Lunch: 1-2 pm)	*SC = Science Centre *RRSSB = Run Run Shaw Science Building
TA: Mr. TAO Yiran (陶一然)	6266 8406	1155165359@link.cuhk.edu.hk	SC 315	Tuesday 10:30 - 12:15	
TA: Ms. Chen Guanghua (陳光華)	5266 8267	ghchen@phy.cuhk.edu.hk	SC 313	Thursday 14:30 - 16:15	
TA: Ms. Lu Yao (路瑤)	6843 9847	ylu@phy.cuhk.edu.hk	RRSSB LG220	Wednesday 16:30 - 18:15	
TA: Lang Feng (郎峰)	9608 5147	1155184353@link.cuhk.edu.hk	RRSSB LG202	Friday 12:30 - 2:15 pm	
TA: Xu Youhan (徐有涵)	63674261	xuyouhan@link.cuhk.edu.hk	SC 313	Thursday 10:30-12:15	
TA: Mr. Jin Mucan (金沐燦)	5642 4590	mcjin@phy.cuhk.edu.hk	SC 322	Wednesday 10:30 - 12:30	

Prepared By: Gary Lai

Date: 16-08-2022

Updated: 06-09-2022

D.Information

<http://www.phy.cuhk.edu.hk/djwang/teachlab/index.html>