

MING-SHAU LIU

Homerton College
Cambridge, United Kingdom CB2 8PH

+44(0)7446 920659
msl63@cam.ac.uk

EDUCATION

MSci, University of Cambridge	Cambridge, UK
Natural Sciences (Physics); Non-Decoupling Dark Matter	2022 – 2023

BA, University of Cambridge	Cambridge, UK
Mathematics with Physics; Cosmological Outlook of Einstein-Cartan Theory	2019 – 2022

PUBLICATIONS

"Shallow current of viscous flowing between diverging walls."	2023
---	------

Liu, M-S. and Huppert, H.E. JOURNAL OF FLUID MECHANICS 2023;977:A23.

"Version 0: An Educational Package for Helium Atom Scattering Studies"	2020
--	------

Arnold E.L., Liu, M-S., Prabhu, R., Richards, C.S., Ward, D., Avidor, N. PREPRINT ARXIV:2009.11614

TEACHING

University of Cambridge	2023-2025
Supervisor, II General Relativity, IB Quantum Mechanics, IB Electromagnetism, IA Vector and Matrices	

RESEARCH

Harvard University (LPPC)	2024
Heavy-neutral lepton sensitivity analysis of the ND280+ detector in T2K experiment	

Los Alamos National Laboratory	2023-2024
Generalising the Universal Texture Zero's scalar potentials and their minima	

CERN (Theory Division)	2022
Non-decoupling dark matter: a study using geometric effective field theory	

University of Cambridge (DAMTP)	2021 - 2022
Shallow current of viscous fluid flowing between diverging or converging walls	

University of Cambridge (Cavendish Laboratory)	2020
Version 0: An Educational Package for Helium Atom Scattering Studies	

AWARDS

Swiss Government Excellence Scholarship (2024, declined)	SBFI, Switzerland
--	-------------------

CERN & Society NMS Summer Student (2022)	CERN, Switzerland
--	-------------------

Victoria Brahm Schild Award (2021, 2022), David Thompson Prize (2021)	University of Cambridge, UK
---	-----------------------------