

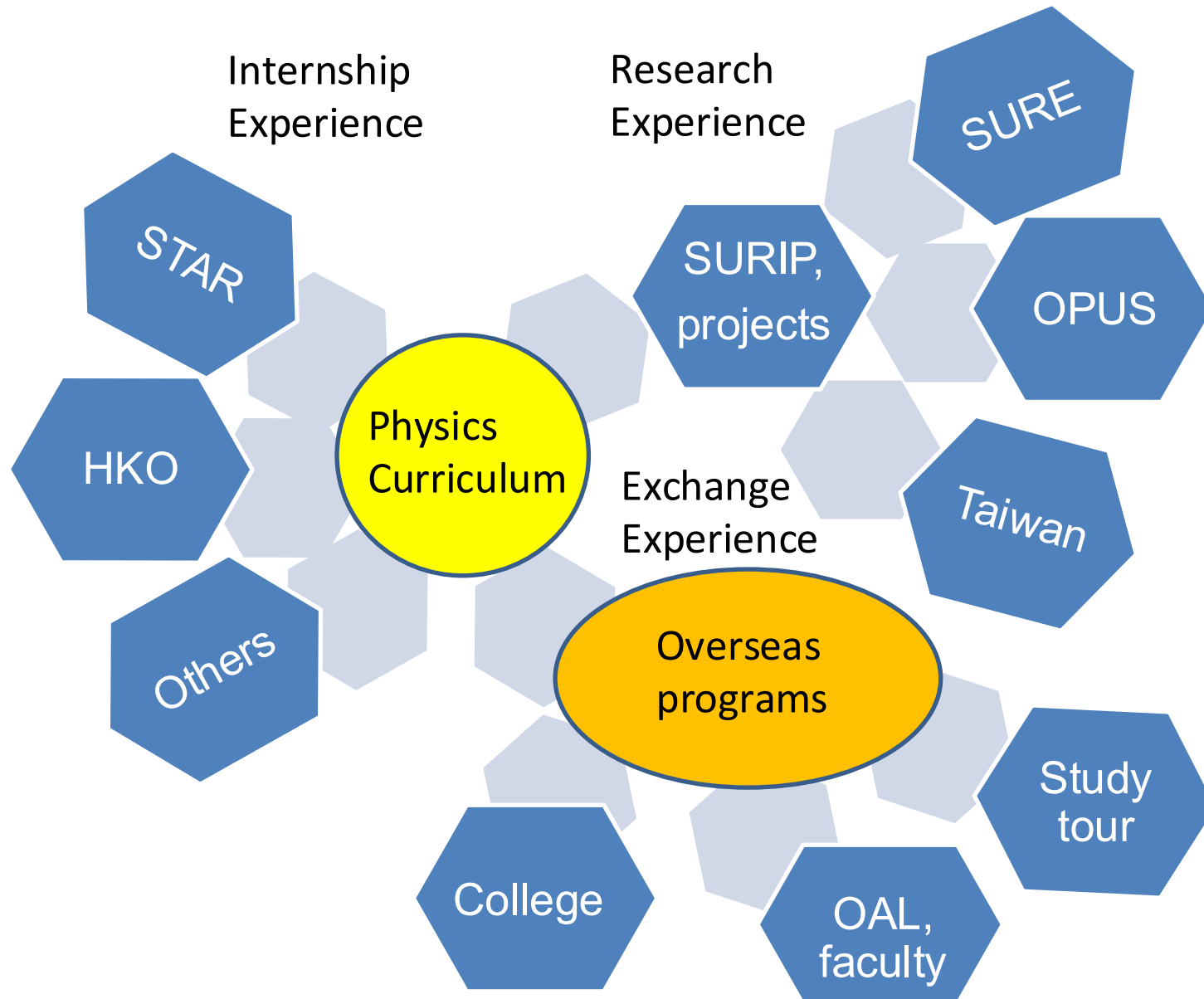
Experiential Learning Opportunities at CUHK Physics

<https://www.phy.cuhk.edu.hk/undergraduate/extra-curriculum-opportunities>

Ming-chung Chu, Po Kin Leung



Experiential Learning Programs



Experiential learning programs

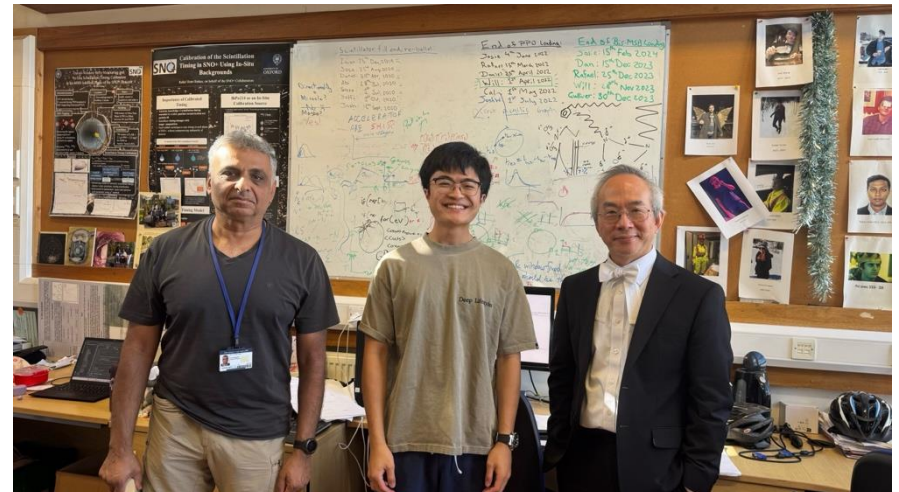
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- Summer Undergraduate Research Exchange SURE
- Overseas Program for Undergraduate Students OPUS
- Summer Undergraduate Research Internship SURIP
- Summer Teacher AppRenticeship STAR
- HK Observatory internships
- External Internships
- Alumni sharing and career advice

<https://wp.phy.cuhk.edu.hk/outreach/graduates-sharing/>

Summer Undergraduate Research Exchange (SURE)

- A chance for our students to take up summer research projects in leading institutes overseas, so that they can gain invaluable experience and exposure to forefront research.
- Up to HKD20k support
- Projects announced ~ Oct. Application deadline early Dec.
- *Note:* Dec 2026 application is for SURE in summer 2027.



Summer Undergraduate Research Exchange (SURE)

- Topics of some of the recent projects:
 - Particle Physics experiments, CERN
 - Quantum Spintronic Device, ISSP, U of Tokyo
 - SuperNova Early Warning System, Oxford
 - FAST related observational projects on ISM or FRB, Tsinghua
 - Quantum Matter Research, U of Zurich
 - Black Hole Astrophysics, U of Arizona
 - Gravitational Waves, Utrecht U / U of Tokyo / Queen Mary U of London
 - Accelerator-based Nuclear Physics, RIKEN, Japan
 - CMB Lensing Power Spectrum, Caltech
 - Galaxy Evolution, U of British Columbia
 - ...

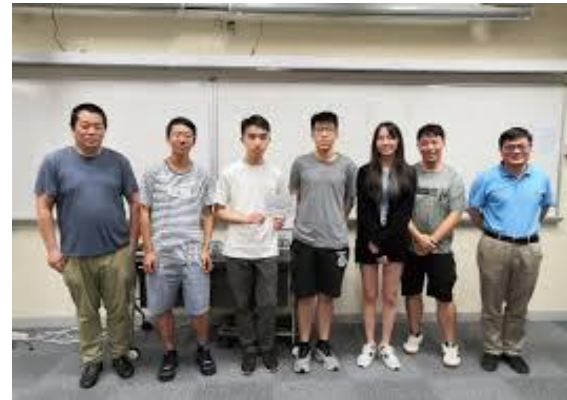
Overseas Program for Undergraduate Students (OPUS)

- A chance for our students to go overseas to take courses and conduct summer research projects in several leading universities. For 2026-27, up to 4 students may go to University of California, Berkeley campus, and up to 4 may go to Fudan University.
- Apply through the OAL system (~Oct), but selected by Physics.
- Up to HKD20k support
- *Note:* Oct 2026 application is for OPUS in January – August 2028.



Summer Undergraduate Research Internship (SURIP)

- A formal channel for CUHK physics undergraduate students in the end of Year-1, Year-2 and Year-3 to work in both experimental and theoretical projects in the research groups in our department during the summer (lasts for 10 weeks).
- a total stipend of HKD10k
- Projects announced ~ March
- *Note:* Mar 2027 application is for SURIP in summer 2027.
- Inquiry: Prof. Qisi Wang



Summer Teacher AppRenticeship (STAR)

- work as teachers' aides in secondary schools (STAR) or student interns in the Hong Kong Space Museum, so that they can gain invaluable experience in various expertises and widen their vision. Participants will work full time under supervision of experienced science educators
- scholarship of HKD10d
- Announcement and application ~ March
- *Note:* Mar 2027 application is for STAR in summer 2027.



Hong Kong Observatory Placement Program

- work as **full-time** student trainees in the Hong Kong Observatory
- 1 year or 1 summer
- Stipends offered by HKO (~HKD11800/month)
- Information and sharing session next Tuesday (22 Sep)
- *Note:* Oct 2026 application is for HKO 1-year internship in 2027.



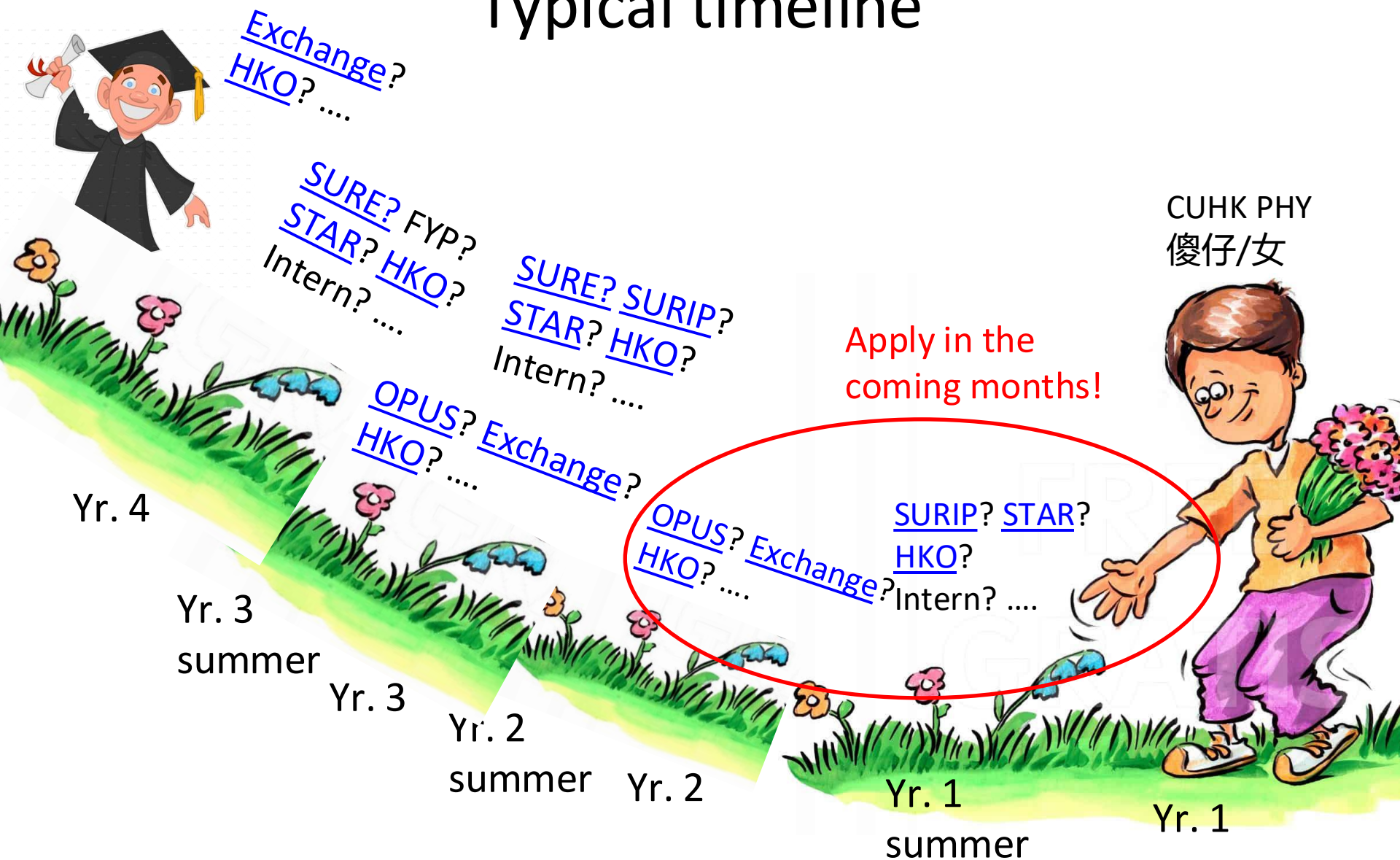
Experiential learning programs

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Typical timeline



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