

Measuring the radiation attenuating abilities of different
spacesuit materials against cosmic radiation using a T9
beamline
Lepton Leapers

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Growing up in Hong Kong, many of us were fascinated by the field of particle physics, but opportunities to explore it first hand were non-existent. Working and exploring theoretical fields such as particle physics in Hong Kong is neither glorified nor heard of. More often than not, our society emphasizes jobs such as lawyers or doctors, which are seen to have direct and immediate impacts. Joining BL4S was a unique opportunity to foster and expand our knowledge into uncharted territory and provide us with a chance to work with cutting-edge technology in world-renowned science institutions

**Temperature Dependence of
Pion-Induced Single Event
Upsets (“Cosmic Bit Flips”)**

Li Siu Man, Fu Sze Ho Edison, Yeung Wai Kwan, Chan Chi
Wah Mason, Puk Hoi Chun, Chau Chun Yin, Lee Yiu Sing,
Xiao Jia Qi, Or Yu Sze

Team Coach: Yeung Wing Ki

We are a group of physics-loving secondary school students from Hong Kong. Originally members of the Physics Olympiad training team, we knew we had to join BL4S. Other than the theoretical aspects of physics presented in olympiads, BL4S grants us the opportunity to be familiar with its practical aspects. We hope to enhance our knowledge on experimental physics and take a deeper dive into the area of particle physics. The prospect is very exciting to us; the chance to conduct particle physics experiments with a real beamline and work with real data, learning data collection and analysis while collaborating with experts from CERN. It would be an amazing opportunity for us to enrich our scientific understanding and we are eager to see our proposal plans put into action.