

## 陳長謙院士之序

～人世間偶然遇到的好友～

Science is about the truth and scientists seek the truth. Among the scientists I have met during my almost 20 years in Taiwan, Pauchy Hwang exemplifies this spirit more than anybody. I have never known Pauchy to call attention to himself or to his contributions to physics. He is a modest and humble man.

As a teacher/scholar, Pauchy is genuinely interested in excellence. He exudes this excellence in the classroom as well as in his discussions of physics with his colleagues. I have come to admire him not only for his high intellectual standards, but also for his impeccable personal integrity.

As a theoretical physicist, Pauchy received his graduate training at the University of Pennsylvania. Over the years, his work has contributed to the Standard Model of elementary particles. Elementary particle physics is the most fundamental branch of theoretical physics dealing with the building blocks of the most basic particles of the universe. In keeping with his spirit as a true scientist, Pauchy has continued to shape his ideas by embracing broader and unifying concepts to understand the science over many decades. The insights that he has developed have contributed to bringing together many areas of fundamental particle physics. This book describes Pauchy's sagas in his development of the Standard Model. The epics not only make for interesting reading, but they provide an excellent historical record on how the ideas in science evolve with time and with understanding. As an intellectual endeavor, this area of theoretical physics is the most demanding on the creativity of a researcher.

About 20 years ago, Pauchy developed an interest in cosmology, the dark matter that makes up the universe. He led the effort in Taiwan to build a presence in this exciting frontier of science. Unfortunately, due to a stroke, this work was disrupted.

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