## 國立台灣大學理學院物理學系 博士論文

Graduate Institute of Physics
College of Science
National Taiwan University
Doctoral Dissertation

於緊湊緲子線圈質心能量十三兆電子伏特 透過頂夸克對的半輕子衰變態尋找電荷宇稱破壞 Search for CP violation using top quark-antiquark events in the lepton+jets channel in pp collisions with √s = 13 TeV at CMS

## 陳溥生 Pu-Sheng Chen

指導教授:陳凱風教授

Advisor: Prof. Kai-Feng Chen



中華民國111年11月 November 2022

National Taiwan University Graduate Institute of Physics College of Science

**Doctoral Dissertation** 

## Search for CP violation using top quark-antiquark events in the lepton+jets channel in pp collisions with √s = 13 TeV at CMS

Pu-Sheng Chen

Advisor: Prof. Kai-Feng Chen

November 2022