Search for chargino and neutralino production in final states with two same-sign leptons, jets and missing transverse momentum at  $\sqrt{s} = 13$  TeV with the ATLAS detector

Samuel Lo<sup>1</sup>

<sup>1</sup>The University of Hong Kong

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Oral Presentation

Introduction

## Introduction

## Standard Model

▶ Standard Model(SM) is the current mainstream theory to describe the electromagnetic force, weak force and strong force.

## **Standard Model of Elementary Particles**

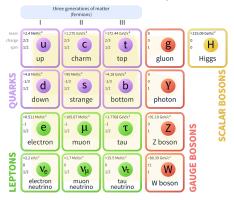
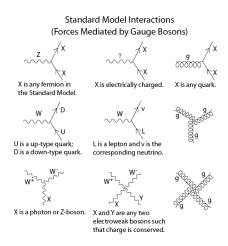


Figure: The table for all fundamental particles in SM.

## Standard Model



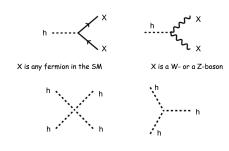


Figure: All allowed fundamental higgs-related Feynman vertices in SM.

Figure: All allowed fundamental Feynman vertices in SM, except higgs-related vertices.

