

# **PHYS379 Group 3 Minutes**

**Date and Time: 28/02/2023 @ 15:00**

**Location: Library A5 Study Space**

## **1. Appointment of chair & secretary**

Sam is appointed secretary.

## **2. Grover Project Progress Update**

### **2.1. Error Implementation**

Willow has created a working program that tests the error on any given program and has obtained results for the Grover program.

### **2.2. Simulation Testing**

Willow and Ana are going to test various scenarios, different errors for both Grover search and Grover adaptive search.

## **3. Cryptography Project Progress Update**

Sam has finished the Shor's algorithm program and it now works for  $n=15$  (the most useful case). Sid has started on the writeup and implementation of the code into the RSA program.

## **4. Report Progress Update**

Sid has started the writeup for the Shor's section of the report and the Grover's section continues to be filled out.

## **5. Tasks for this week**

Sam will add finishing touches to the Shor's program to get it more accurate, aside from that everyone else will be focusing on the report as projects are mostly done.

## **6. AOB**