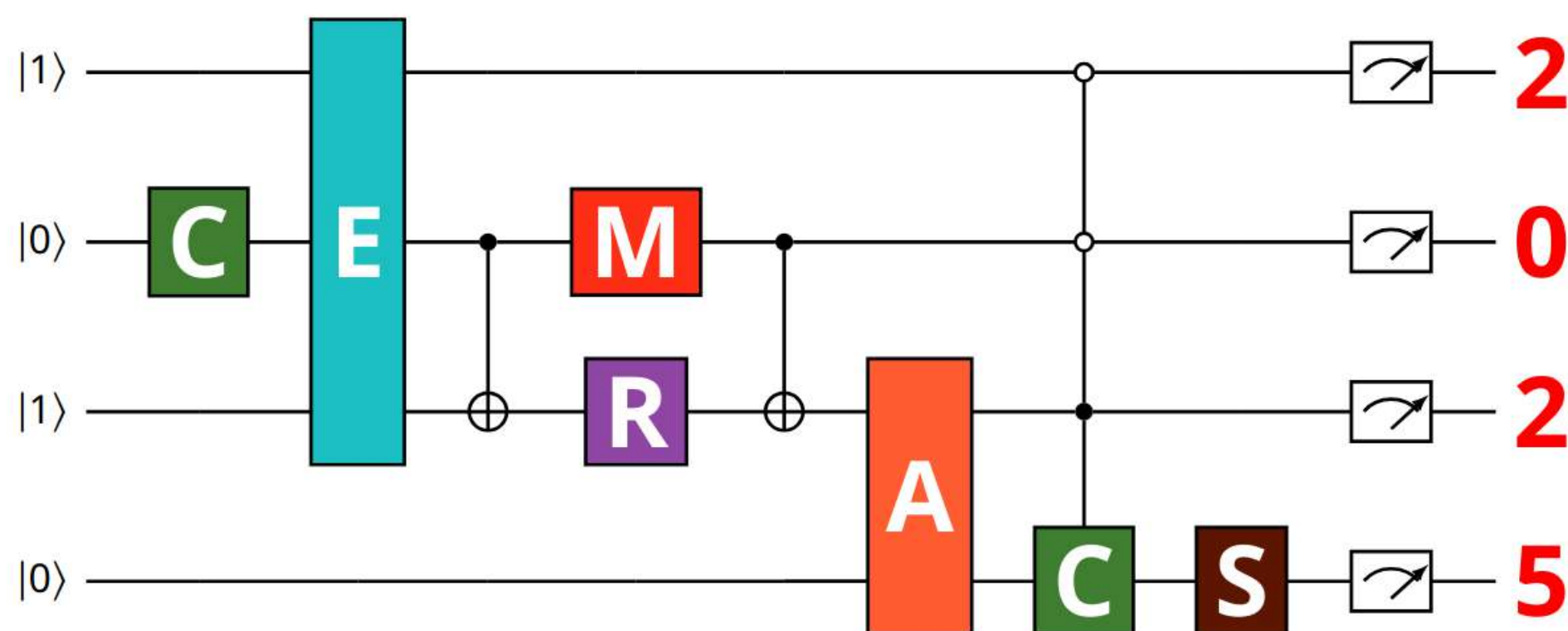


CEMRACS SUMMER SCHOOL 2025



QUANTUM COMPUTING

1 week Summer school
(July 15-19)

Paradigms for algorithms on different technologies
Thomas Ayrat (EVIDEN Paris)

Quantum cryptography
Mina Doosti (University of Edinburgh)

Quantum cryptanalysis and post-quantum cryptography
Pierre-Alain Fouque (Université Rennes 1, IUF)

Optimization problem on quantum computers
Yassine Hamoudi (Université de Bordeaux)

Quantum simulation of partial differential equations
Nana Liu (Shanghai Jiao Tong University)

Advanced quantum algorithms for scientific computing
Agnieszka Międlar (Virginia Tech)

Quantum computer hardwares
Mazyar Mirrahimi (Inria Paris)

Quantum error correction
Gilles Zémor (Université de Bordeaux, IUF)

&

5 weeks
Hackathon

(July 21 - August 22)
on projects proposed
by academic scientists
and/or industrial
partners

Information & Registration :



JULY 15 - AUGUST 22, 2025

CIRM, Marseille
France

