

PHY 644: Tutorial 1

* Workout the following exercises in the Q&QI book by Nielsen and Chuang (2006).

- (1) Exercises: 2.1, 2.2, 2.3, 2.4, 2.7, 2.8,
2.9, 2.10, 2.11, 2.12, 2.13, 2.14,
2.15, 2.16, 2.17, 2.18, 2.19, 2.20
2.22, 2.23, 2.24, 2.25

2.26, 2.27, 2.28, 2.29, 2.30, 2.31,
2.32, 2.34, 2.35, 2.36, 2.37, 2.38,
2.40, 2.41, 2.42, 2.43, 2.44,
2.45, 2.46, 2.47, 2.48,

2.54, 2.55, 2.56, 2.66, 2.71.

- (2) Workout the boxes yourself.

Box: 2.1, 2.2, 2.4.

- (3) Solve the exercises that I have asked you in the class.