

University of Calgary
Winter semester 2006

PHYS 443: Quantum Mechanics I

Home assignment 4

Due February 28, 2006

Problem 4.1. Ex. 2.15 from the lecture notes. How would the answer change if Alice and Bob shared a $|\Phi^+\rangle$?

Problem 4.2. Ex. 2.18 from the lecture notes. **Hint:** one can use the isotropy of $|\Psi^-\rangle$ to reduce the amount of calculations.