

DEPARTMENT OF PHYSICS DEGREE IN PHYSICS – LAUREA IN FISICA

THESIS

Phase-matching method with temperature control for a Four-Wave Mixing fenomena

Thesis Advisor: **Mattia Mancinelli**

Student:

Davide Bazzanella

ACADEMIC YEAR 2014/2015

1 Introduction: Four-Wave Mixing

Four-Wave Mixing (FWM) is a nonlinear effect of matter

2 Four-Wave Mixing