

People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research

University Abderrahmane-Mira-Bejaia
Faculty of Sciences
Vice Rectorat Chargé des Questions liées à l'Animation, à la
Promotion Scientifique et Technique et aux Relations Extérieures

B.N :	
B.N :	
DURATION:	15 days

Internship Report

TRAINEE /:

NOM : BOUCHARA

PRENOM : Lydia

GRADE : MCB

DEPARTEMENT : PHYSIQUE

FACULTY : SCIENCES EXACTE

REPORT /:

THE PLACE : International Center of Theoretical Physics ICTP

PERIOD : FROM 01 September 2017 TO : 15 September 2017

OBJECTIFS : Short trip and participation at "The Advanced School and Workshop on Quantum Sciences and Quantum Technologies".

INTERNSHIP PROGRESS /:

During my internship period I attended seminars and "the advanced school and workshop on quantum sciences and quantum technologies". I was also able to discuss with the different members of the team condensed matter and statistical physics. Two lines of research have emerged during this period:

The first, is a direct continuation of my thesis work with considerations of quantum mechanics.
The second, is a completely new research track on the different physical and biological aspects of water. In addition, I was able to access their library as well as their databank of articles.
The internship was very beneficial even though it was of short duration. A period longer than fifteen days would have been more fruitful.

RESULTS OBTAINED DURING THE INTERNSHIP / :

- Have an overall idea about the research performed at ICTP more specially in the team condensed matter.
- Participation at the advanced school and workshop on quantum sciences and quantum technologies.


APPLICATION OF WORK UNDERTAKEN / :

The work will probably lead to two international publications after a good serious implication in the two fields respectively undertaken during my internship.

**VISA OF DIRECTOR OR CORRESPONDANT
OF INTERSHIP /**


The Abdus Salam
International Centre for Theoretical Physics
Strada Costiera, 11 - 34151 Trieste - Italy
www.ictp.it

**BENEFICIARY SIGNATURE
OF INTERSHIP /**


Lydie BOUCHARA

Attestation de séjour de recherches Scientifiques à l'étranger

Veillez joindre votre rapport de stage (détaille)

Le soussigné, ... *Mr Rosario FAZIO*

Coordinateur du stage, atteste par la présente que :

Madame/Monsieur ... *Bauchara Lydie*

a pris part au travail scientifique durant son séjour qui s'est déroulé à :

..... *International center of theoretical physics ICTP*

du ... *01 septembre 2017* au ... *15 septembre 2017*

Fait à ... *Trieste*

Le ... *15 septembre 2017*

Signature et le sceau de l'organisme d'accueil /

..... 

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A compléter par le promoteur :

Approuvé par le promoteur le « pour les thésards

Signature