

Afnan Mohammad Shatat

An Najah National University
Master2 NPAC student, Paris Saclay University, France

April, 2021



1st Winter School in HEP

November 13-17, 2016

An-Najah N. University, Nablus, Palestine



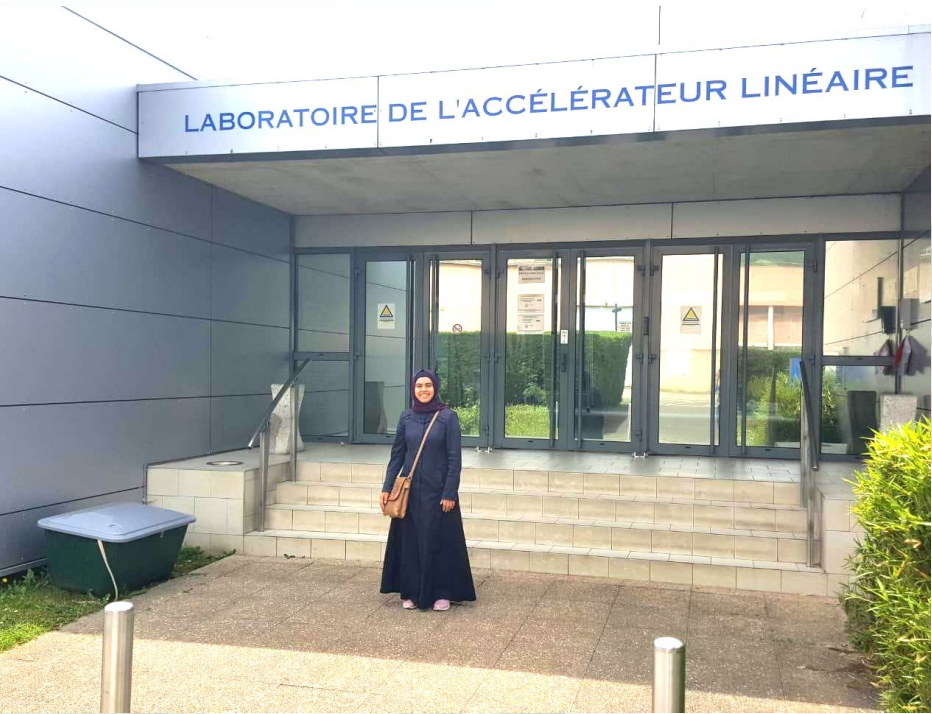
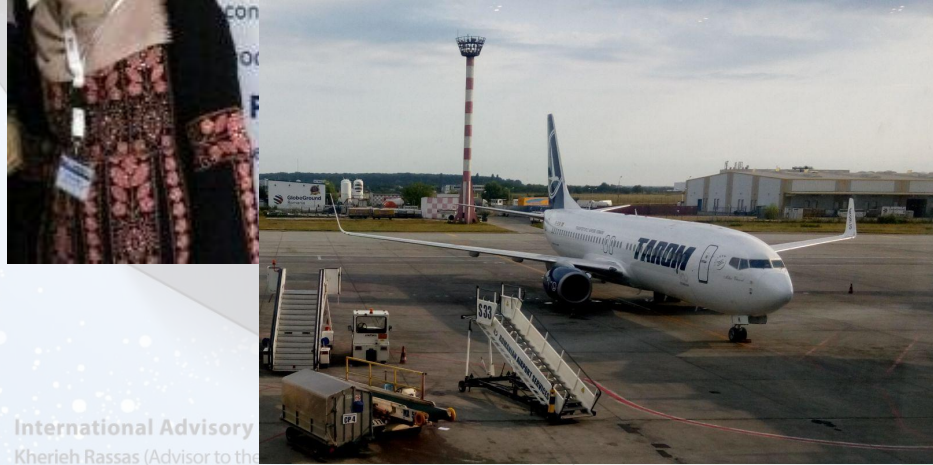
My study room, 14/12/2016 !

Internship: summer 2018 at LHCb group in LAL, Orsay



WISHEPP-II 2nd Winter School in HEP

Novem
An-Najah
Nablus, Pa



International Advisory

- Kherieh Rassas (Advisor to the
- Annick Suzor-Weiner (UPSUD, France)
- Sami Al Jaber (An-Najah U, Palestine)
- Étienne Augé (UPSUD, France)

Internship: summer 2018 at LHCb group in LAL, Orsay

WISHEPP-II

2nd Winter School

November 12-17, 2018

An-Najah N. University

Nablus, Palestine



Department of Physics
Faculty of Science
An-Najah National University

Pentaquarks and its Observation

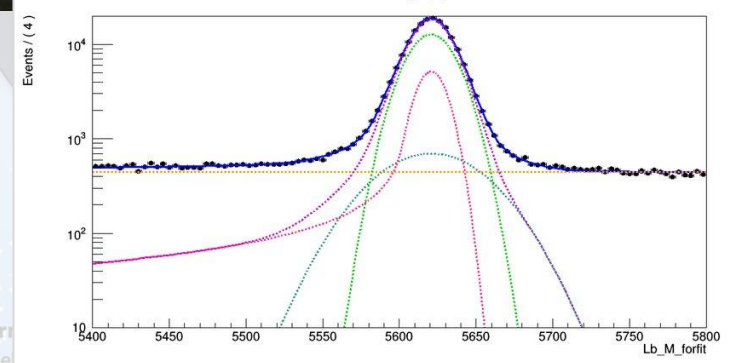
by :
Afnan Shatlat
Supervisor :
Dr. Zeid Qamhieh

This Thesis is Submitted in Partial Fulfillment of the Requirements for the Scientific Research course (10221399) in Physics Department, Faculty of Science, An-Najah National University, Nablus, Palestine.

May 5, 2019



A RooPlot of "Lb_M_forfit"



Bruno Mazoyer LAL Orsay 2018

Internship
Kheria
Annick Suzor-Weiner (UPSUD, France)
Sami Al Jaber (An-Najah U, Palestine)
Etienne Augé (UPSUD, France)





Internship :summer 2019 in ATLAS group, LAL, Orsay

WISHEPP

school in HEP

November 10-16, 2018



Study of Algorithms Developed for the Track Machine learning Challenge (TrackML)

Internship Report

Prepared by:
Afnan SHATAT

Internship done at the
Linear Accelerator Laboratory (LAL) CNRS / IN2P3
and University Paris-Sud

Under the Supervision of:
Dr. David ROUSSEAU & Dr. Ahmed BASSALAT

This Report is Submitted in Fulfillment of the Requirements for the
Training course (10221490) in Physics Department, Faculty of Science,
An-Najah National University, Nablus, Palestine.

July 26, 2019 - Orsay, France



International Advisory Committee

- Sami Al Jaber (An-Najah U, Palestine)
- Étienne Augé (UPSUD, France)
- Ursula Bassler (IN2P3/CNRS, France)
- Jean Zemmouri (French Consulate, Jerusalem)
- Patrick Fassnacht (CERN, Switzerland)
- Rolf Heuer (DPG, Germany)
- Jenni (Albert-Ludwigs University Freiburg, Germany and CERN, Switzerland)
- Kherieh Rassas (Advisor to the Prime Minister for International Affairs)
- Hervé Sabourin (AUF, France)

May 2019
Graduated
Bachelor Physics
An Najah University
The 2nd in 115 class



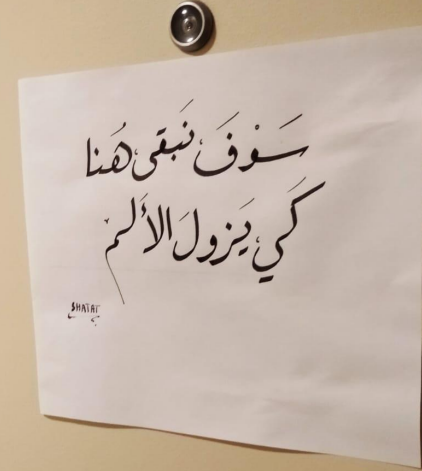
Master 1: Sept. 2019 - July 2020

General Physics, Paris Saclay University

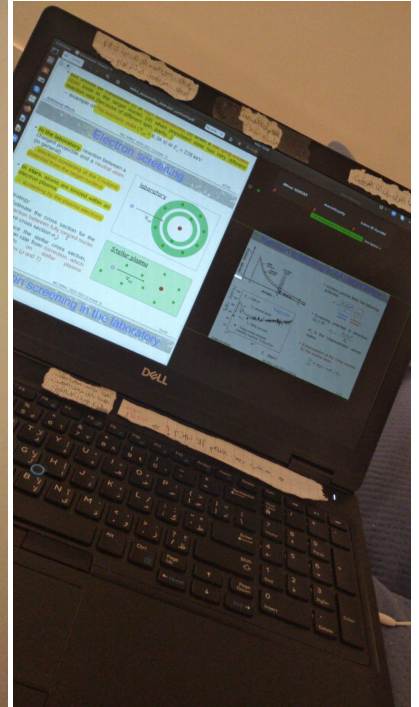


Jan. 2019 Exams

First quarantine !
March, 2019



Online):

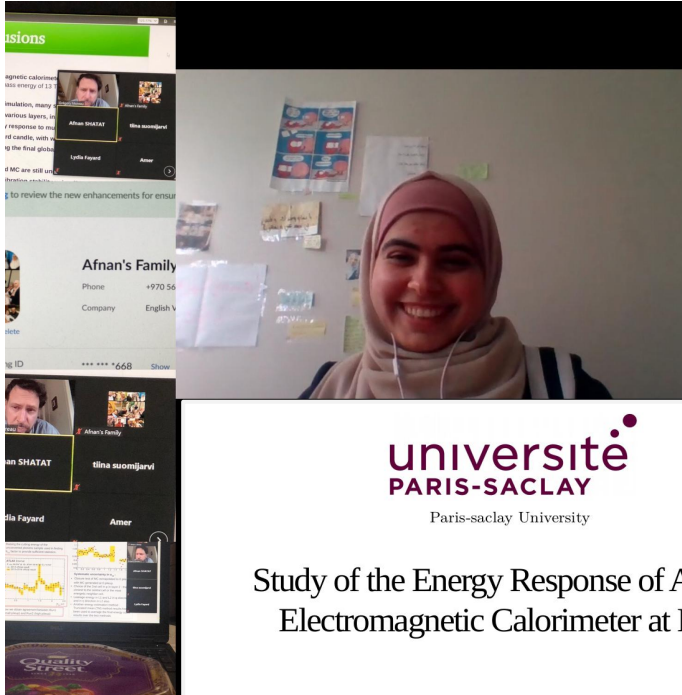


Quarantine with the Best :D



Master 1: Sept. 2019 - July 2020

General Physics, Paris Saclay University



université
PARIS-SACLAY

Paris-saclay University

Study of the Energy Response of ATLAS Electromagnetic Calorimeter at LHC

By: Afnan SHATAT
Supervised by: Lydia Iconomidou-Fayard , IJCLab

July, 2020

Université PARIS-SACLAY

Année universitaire 2019/2020

université
PARIS-SACLAY

RELEVÉ DE NOTES ET RESULTATS

Page : 1 / 1

Session 1

SHATAT Afnan

N° Etudiant : 21910487

INE : 0JJ0DU01WH1

Née le : 24 janvier 1998

à : NABLUS (PALESTINE)

inscrite en **First Year Master Program in General Physics**

Notes et résultats

	Note/Barré	Session	Crédits
Particules, nuclei & universe	17.3	S1 2019/20	8
Mathematical & statistical methods		2019/20	3
Atoms, molecules and optics		19/20	5
Light-matter interactions in molecular media		20	3
Language Sem 1			
French			
Experimental physics			6
Statistical and Quantum Field Theory			8
Astrophysics & astroparticle physics			6
General relativity & cosmology		20	6
Advanced mathematics for physics		20	3
Nuclear and Particle Physics		2019/20	6
Internship		2019/20	6



Résultat d'admission : 15.715/20 Admis Bien 60

Fait à Orsay, le 20 juillet 2020
Le Responsable de la formation

UNIVERSITE PARIS-SACLAY
MASTER 1 PHYSIQUE
Voie General Physics
Bâtiment 470 - 911405 ORSAY Cedex
Tél. 01 69 15 66 12

CERN summer school online project: July-Sept 2020

New functionalities added to AppLE.py

Afnan Shatat

Supervisors:

Alexander Gerbershagen, Gian Luigi D'Alessandro and Dipanwita Banerjee

22/09/2020



Information	Discussion (0)	Files
Internal Note		
Report number	CERN-STUDENTS-Note-2020-011	
Title	New functionalities in AppLE.py	
Author(s)	Shatat, Afnan	
Corporate author(s)	CERN. Geneva. EN Department	
Imprint	26 Aug 2020	
Subject category	Engineering	
Abstract	A Graphical User Interface tool has been developed at backend. AppLE.py is designed for beamline simulation and new functionalities have been added to AppLE.py such as 3 types of beam monitors	
Submitted by	eszter.badinova@cern.ch	



CERN online learning initiative - summer grant

البريد الوارد

SummerStudent@cern.ch > **NMS Summer Student**
Alexander, Gian, NMS, أنا

,Dear Afnan

!We have some good news to announce to you

We are happy to tell you that CERN has decided to give you a grant of **500 CHF** for the publication of your online project report. The purpose of the grant is to contribute to your continued studies or further .development within the field of your studies

Your supervisors (in cc) have recommended you after witnessing a great contribution from your side! Well done!

Master2 NPAC : Sept. 2020- now

NPAC (Nuclear, Particle, Astro and cosmology physics)

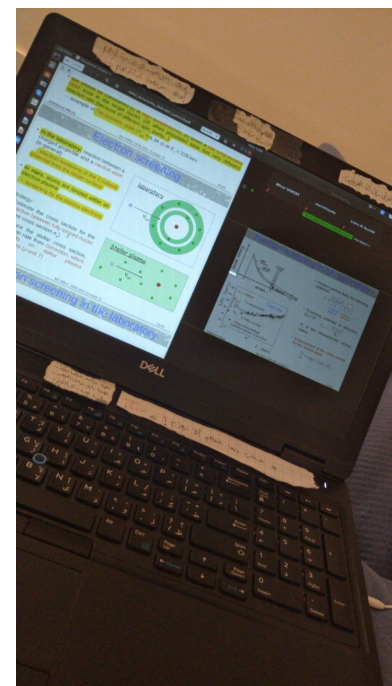


going back in Sept. 2020

b1 - NPAC floor !



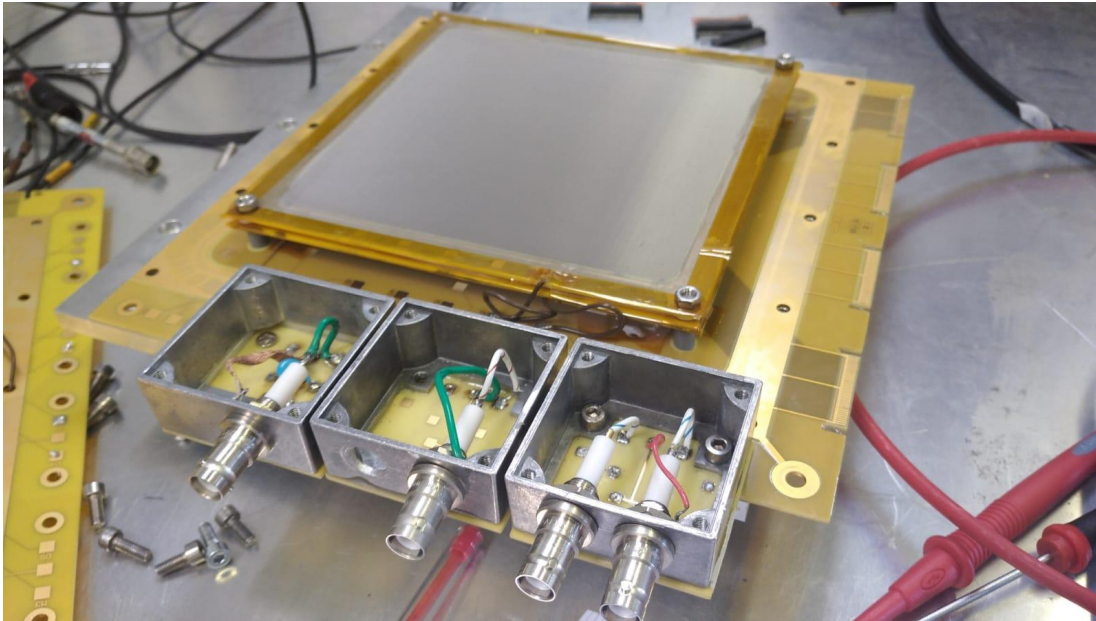
Nov., Online again



Master2 NPAC : Sept. 2020- now

NPAC (Nuclear, Particle, Astro and cosmology physics)

Experimental work (TL) for a month



NPAC
Nouveaux
Particules
Astroparticules
Cosmologie

Master 2 Recherche

RELEVÉ DE NOTES DU MASTER 2 NPAC
Année Universitaire 2020-2021

– Afnan Mohammad Mustafa SHATAT –

	Note Finale (sur 20)	ECTS
Enseignement Expérimental	6	6
Théorie Quantique des Champs	6	6
Des noyaux aux étoiles	6	6
Physique des Particules	5	5
Physique des Détecteurs	4	4
Physique des Accélérateurs	3	3
Moyenne Master 2 Semestre 1		30

Classement

Orsay, le 22 mars 2021

Fabien Cavalier
Co-Responsable du Master NPAC

Elected as Students representative in Master 2 NPAC

<tunctor@gmail.com> **Turker Tunc**

▼ noemie.pilleux ,Ll ,marie.vanuffelen.0210 ,catherine

,Bonjour Madame Bourge

.We elected our representative. They are listed in below (and cc'd in the mail)

Marie VAN UFFELEN

Noémie PILLEUX

Afnan Mohammad Mustafa SHATAT

Özgen Tunç TÜRKER

,Best regards

Tunç

Foreign student	University			Courses					
	Diderot	Saclay	UPMC	Accelerators	GR	Nuclear	Astro/Cosmo	Particles	
X			X		X		X	X	Tunç
X		X		X		X		X	Afnan
		X		X		X		X	Noémie
	X			X		X		X	Marie



ALICE

Internship & PhD: April - now

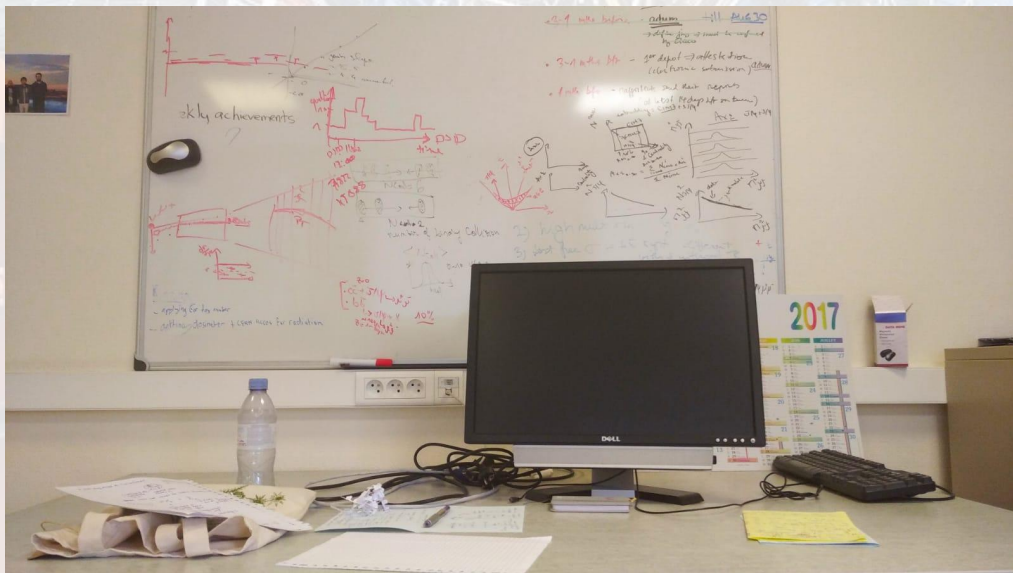
Charmonium photoproduction in Pb-Pb collisions with nuclear overlap measured with ALICE at the LHC

Spécialité **physique hadronique**

Unité de recherche **Laboratoire de Physique des deux Infinis Irène Joliot-Curie**

Encadrement de la thèse **Laure MASSACRIER**  Co-Encadrant **Cynthia HADJIDAKIS** 

Début de la thèse le **1 octobre 2021**



➔ ☆ alice-glance@cern.ch غير 10:08 ص (قبل 5 أيام) ... onmicrosoft.com
النساء, 23 مارس, 10:08 ص (قبل 5 أيام) ...
christophe.suire, ل.أ. ,alice.secretariat ,peggy.pithioud ,adriana.telesca

ALICE Membership

Action: Member Employment Insert

Target: SHATAT, Afnan

Agent: PACHOUD, Guylaine Joelle

Assigned to: Laboratoire de Physique des 2 Infinis, Irène Joliot-Curie (IJCLab)

:Modification Log

General information

France, Orsay, Laboratoire de Physique des 2 Infinis, Irène Joliot-Curie (IJCLab)

Institute

2021-03-29

Start date

2026-03-28

End date

Master Student

Category

ALICE virtual visit at <https://www.youtube.com/watch?v=xvhVYrp9hqQ>



Possible virtual visit to ALICE experiment,
next Monday April 12nd

Public Europe/Paris

Visite virtuelle de l'Expérience ALICE

Monday 12 Apr 2021, 17:30 → 19:30 Europe/Paris

2285/R-C15 (CERN)

Description Visiter l'Expérience ALICE en direct du LHC au CERN est possible grâce à nos physiciens et ingénieurs. Cette visite virtuelle se déroulera via un webinar Zoom, et sera guidée en français. Le guide vous montrera les activités de la caverne d'ALICE, d'abord en surface, puis dans la zone expérimentale souterraine. Une session de questions et réponses en fin de visite sera ouverte pour les plus curieux.

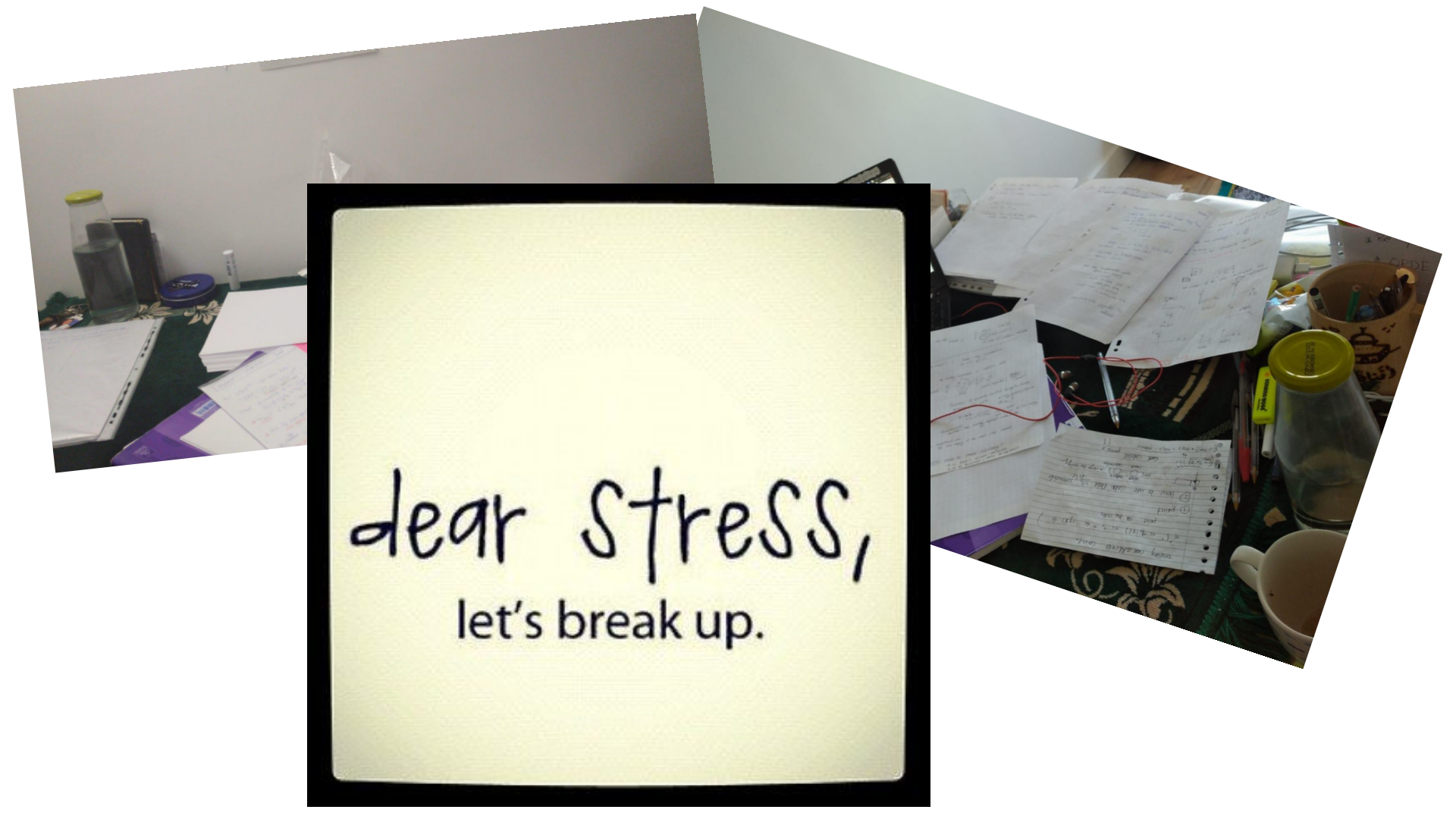
Pour rejoindre la visite, utilisez le lien ci-contre: <https://cern.zoom.us/j/61247984708?pwd=b3M4cFJkUHFnZnpuU3kyWW8vNzg0QT09>

Ou joignez-nous via Zoom:

- ID: 612 4798 4708
- Passcode: 1

Pour toute question(s)/information(s) complémentaire(s), merci de contacter alice-outreach-virtual-visits@cern.ch

<https://indico.cern.ch/event/1022439/>



dear stress,
let's break up.

وَرُغِمَ اغْتِرَابِي
أَهْنُ اسْتِيَاقَا
وَرُغِمَ التَّنَائِي
أَذُوبُ وَأُرْسَدُ

لِيَوْمِ التَّنَاطُمِ

SHATAT
07/04/20

وَلَنَا بِاللَّهِ آمَالٌ وَوَسْلَوَى
وَعِنْدَ اللَّهِ مَا نَحِبُ جَاهِدًا
إِلَى الشَّيْبَانِ

لَرْبِّ هَمَّةٍ أَمِيتِ أُمَّةٌ

وَرَبُّنَا الَّذِي يُنَزِّلُ الْغَيْثَ لَنَا لِنَحْيَ الْوَيْحَ وَنَحْيَا وَيُخْرِجَ لَنَا الْبُسُوفَ وَيُعَلِّمُنَا لِكَلِمَةٍ نَحْنُ لَا نَعْلَمُهَا وَنُفِثَ بِنُوحٍ أَيُّهَا النَّبِيُّ فِي الْبَحْرِ مَعَ الْكَلْبِ وَالصَّفَا لَهَا كَلِمَاتٌ حَمِيدَاتٌ وَاللَّهُ يَخْتَارُ لِمَن يَشَاءُ لِمَن يَحِبُّهُ وَاللَّهُ جَامِدٌ أَعْلَمُ

فَكَمْ مِنْ مَرَّةٍ نَقَصَ الْبَيْتُ
نَحْمُ الْكَمَلِ !



@Afran.Shatat

بِسْمِ اللَّهِ عَلَى حَلَمِي
بِسْمِ اللَّهِ عَلَى قَلْبِي
بِسْمِ اللَّهِ الْعَظِيمِ

بَيْنَ رِكَامِ الْقَلْبِ حِكَايَا

أَفْنَجُ

”وَالَّذِينَ جَاهَدُوا فِينَا
لَنَنُؤِّدَهُمْ سُبُلَنَا
وَإِنَّ اللَّهَ لَمَعَ الْمُحْسِنِينَ“
05/10/21
Masyy

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
لَا إِلَهَ إِلَّا اللَّهُ مُحَمَّدٌ رَسُوْلُهُ
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
أَشْرَبَ دُمُوعَكَ وَأَجْرَعَتْهَا عَسَلًا
بِيَنُوعِ السُّوْعِ حَرِيْبِهِ وَهِيَ تَبَسُّمُ

” مَنْ يَفْقَهُ الْمَجْدَ حَقًّا
لَا يَبَالِي بِالْجِرَاعِ ! “

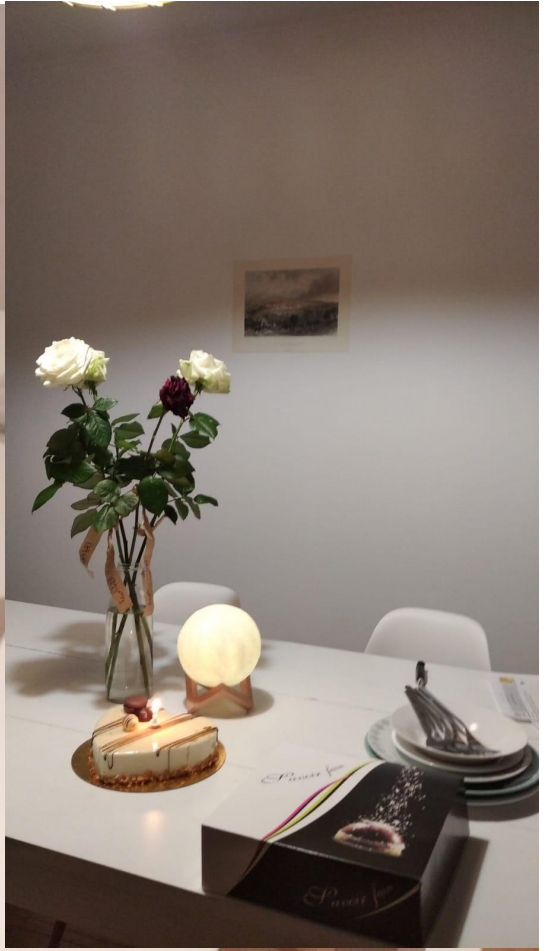
لَعَلَّ اللَّهَ يَأْخُذُكَ مِنْ حَالٍ لَا تَحْتَسِبُ
وَيَجْعَلُكَ تَحْتِهَا السُّوْعَ وَتَقْدِيفَهُ
لِيَجْعَلَ لَكَ جَنَانَيْنِ تَحْبِبُهُمَا إِلَيْهِ
وَلَيْسَ بَيْنَهُمَا وَاحِدًا !
جلال الدين
الريزي

وَأَجْمَلُ الطَّيْفِ لِقَاءُ
وَأَجْمَلُ الدُّرِيِّ الضَّمْتِ
وَأَصْعَبُ الْوَرَاغِ فِرَاقُ
وَأَنْشَقَى الْغُرْبَةَ ذَاكِرَةٌ

**My family in
France !**



**Cafe Opens every
weekend night**





5 WAYS TO SAY
Thank You
IN ARABIC

شكراً
SHUKRAN
Thank you

تسلم / تسلمي
TİSLAM/TİSLAMI
May you stay safe



ممنونك / ممنونك
MAMNOUN(T)AK/EK
I am grateful to you

يعطيك العافية
YA'TIK AL-'AFIYA
May [God] give you health

يكثر خيرك
YEKATHER KHAIRAK/EK
I wish [that God] increases your welfare