

## Liverpool and John Moores Universities – Physics Sites

ores

Liverpool Medical

#### **Astrophysics Research Institute.**

Wednesday:10am

This ZOOM room:

Virtual Tour with 4 Students

And Lecture
about the History
of the Physics
Department

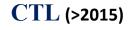
-don't miss-





# Victoria Museum Victoria Gallery & Museum Brownlow Hill Brownlow Hill Astrophysics Research Institute Liverpool... 8 min walk - work Liverpool Metropolitan Cathedral Metropolitan Cathedral Liverpool Metropolitan Cathedral Liverpool Metropolitan Cathedral Liverpool Metropolitan Cathedral Liverpool Metropolitan Cathedral

Oxford St



**Abercromby Square** 

Peach St

## Liverpool University Campus

■ The Harold Cohen Library

Introduction to Library on Friday: Zelda Chatten



Designed by Alfred Waterhouse

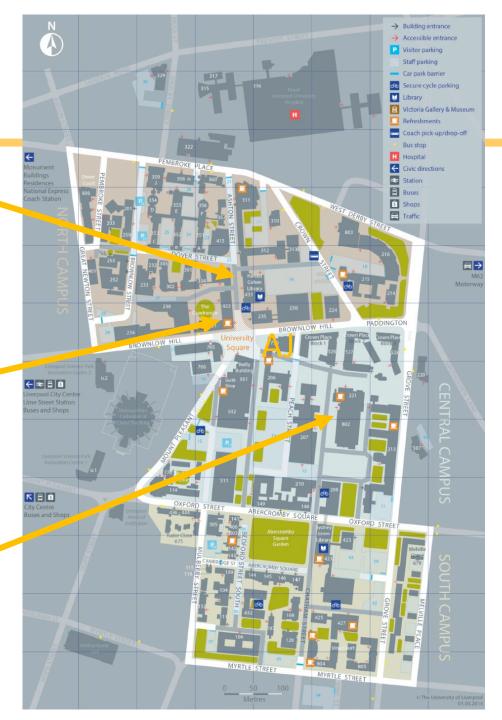
"Redbrick Universities" 1943 by *Edgar A. Peers* 

First purpose built University building (1892)

Victoria Building.



- Central Teaching Lab (CTL)
- Map at: <a href="http://www.liv.ac.uk/maps/">http://www.liv.ac.uk/maps/</a>





#### **A Campus Doctors Guide**

Guardian 24.09.2020

Get a good night's sleep
Ask for help
Get connected
Take control
Pace yourself
Be a diplomatic housemate
Plan your communication
Take relationships steadily



Robin Peckham (Guardian 24.09.20)

[in science we cite the sources]

https://www.theguardian.com/education/2020/sep/24/how-to-stay-mentally-healthy-at-university-a-campus-doctors-guide

### Welcome to Physics – A Campus Physicists Remarks

#### Teaching

#### There is no learning without teaching

John Wheeler (1911-2008) Quantum Gravity, Black Holes, .. Princeton University

#### There is no teaching without Learning

"There is no royal road ("route royal") to science, and only those who do not dread the fatiguing climb of its steep paths have a chance of gaining its luminous summits."

**Karl Marx**, Philosopher *Capital Vol I, 1867 Preface - Remark to his french editor La Chatre* 

#### Compassion and Knowledge

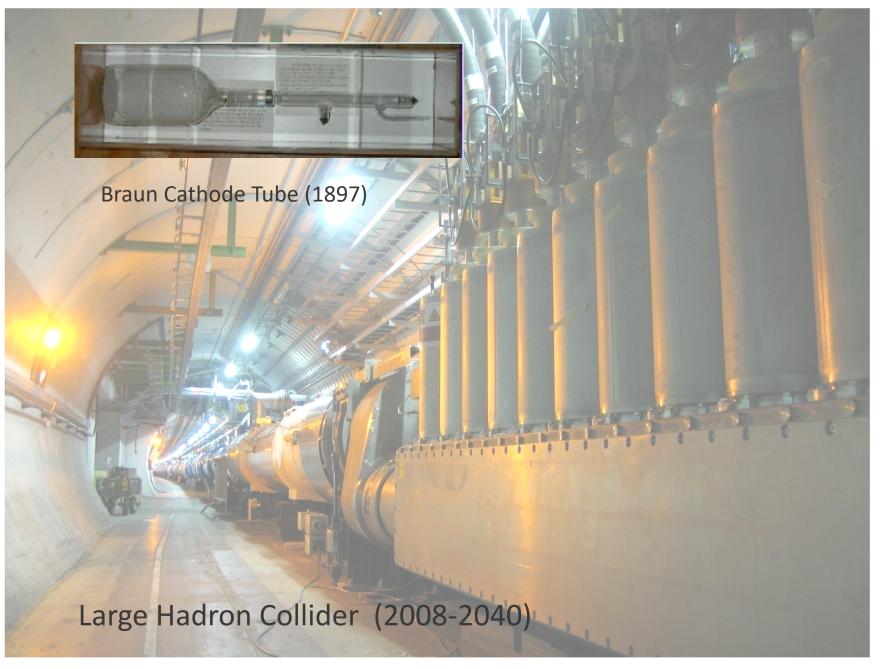
Human existence is based upon two pillars: Compassion and knowledge. Compassion without knowledge is ineffective; knowledge without compassion is inhuman.

**Victor Weisskopf**: 1908-2002. Austrian, Nuclear and Quantum Theorist, former Director General of CERN

#### Society and its/your Future

"We have the freedom needed to limit and direct technology; we can put it at the service of another type of progress, one which is healthier, more human, more social, more integral"

Address of His Holiness **Pope Francis** to the 75<sup>th</sup> Meeting of the General Assembly of the United Nations. 25 September 2020



Physics has had a glorious 20th century with the development of Relativity, Quantum Physics, Gauge Field Theory such as Electrodynamics,

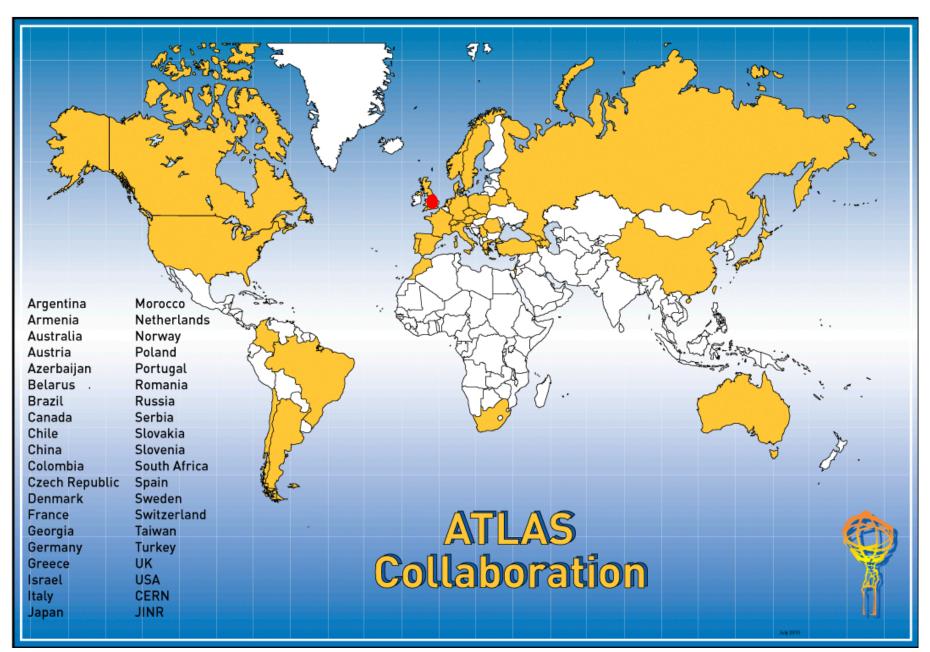
discoveries of numerous particles, structures, laws, or missing matter in the Universe,

enabled by exciting progress in technology such as from the cathode tube to colliders

Your century has already seen the discovery of the Higgs Boson and gravitational waves.

There is no doubt, that the future of physics is bright, if civilisation and climate prevail

**Physics is international:** e.g. ATLAS: the largest experiment we are involved in (238 institutes) Our Physics Department is international too, and we believe it will continue to be, > 01.01.21



# Welcome to Year 1 Students to the Department of Physics

Tuesday 29.9.

ICGORIAE REGIDAL

10:00-12:00

#### Introduction

Prof. Max Klein

#### Welcome by HoD

Prof. Carsten Welsch

#### **Teaching**

Prof. David Joss

#### **Students Office**

Carole Burgess

#### **Questions/Answers**

University: 15:00 Herb Pot Planting

Programme of the Week

#### Wednesday 30.9.

10:00-11:00

#### Campus Tour Online

Thomas George Freya Halsam Ty Mason Jack Woodward

11:00-12:00

# History of the Liverpool Physics Department

Dr. Peter Rowlands

#### Thursday 1.10.

10:00-12:00 Group A

#### **Isaac Puzzle**

Sarah Annand

14:00-16:00

Group B

#### Isaac Puzzle

Sarah Annand

University: 12:00
UNICEF on Campus

#### Friday 2.10.2020

10:00 Institute of Physics

Katherine Platt

10:30 University Library

Zelda Chatten

11:00 - 12:00

#### **Employability - Panel**

Prof. Carsten Welsch (chair) Constantinos Astreos, Charlotte Ford, Prof. Uta Klein, Ed Reeves

14:00-15:00

#### **Quests of Modern Physics**

Dr. Nikos Rompotis

To ensure in-time start, join the ZOOM sessions 5-10 minutes prior to when sessions begin. For more information consult please the CANVAS link (cf welcome mail of Friday by HoD).

https://liverpoolguild.native.fm

		Monday 5/10	Tuesday 6/10	Wednesday 7/10	Thursday 8/10	Friday 9/10
	AM	10:00-11:00 Welcome Meet the programme directors 11:00 – 12:00 Academic Advisor Meet and Greet	10:00-12:00 Treasure Hunt	10:00 – 12:00 Problem Class Intro	10:00 – 12:00 <u>Lab Intro</u>	
Ī		14:00-17:00 Social Event: Escape Room		16:00-17:00 The Great Read: Journey Beyond the Stars  17:00 2001 Film evening	13:00-15:00 <u>Pub Quiz</u>	13:00-14:00  Mastering Physics Signup  14:00-15:00  Seminar:Supernova Science Stacey Habergham- Mawson Prizegiving

# FOUND&TION WEEK

5-9. October 2020

**Physics Department** 

Professor Rodi Herzberg and a large team

Course Lectures: 12.10.+

Timetable (subject to change, please always refer to the most up to date version on CANVAS. That will also have the correct links to the meetings on TEAMS, in case they change)