



THE UNIVERSITY OF ZAMBIA
SCHOOL OF NATURAL SCIENCES
DEPARTMENT OF PHYSICS
DATE: MONDAY, MARCH 27, 2023

**PROGRAM FOR THE MASTERCLASS - UNIVERSITY OF ZAMBIA, SCHOOL OF NATURAL SCIENCES
DEPARTMENT OF PHYSICS**

TIME	DURATION (MINUTES)	TOPIC/SUBJECT	VENUE	INCHARGE
08:30 – 09:00	30 Minutes	Registration	SEMINAR ROOM	Tutors:- R. Nyirongo, C. T. Chama, O. Munkombwe
09:00 - 09:03	3 Minutes	Welcome Remarks	SEMINAR ROOM	A/H-Physics:- (Mr. G. Chishimba)
09:03 – 09:10	7 Minutes	Masterclass Introduction	SEMINAR ROOM	Masterclass Coordinator:- Dr. B. Mulilo (UNZA)
09:10 – 09:40	30 Minutes	Particle Physics Talk (CERN, ATLAS)	SEMINAR ROOM	Masterclass Coordinator:- Dr. Chilufya Mwewa (BNL/CERN)
09:40 – 10:10	30 Minutes	Particle Physics Talk (BNL, PHENIX)	SEMINAR ROOM	Masterclass Coordinator:- Dr. B. Mulilo (UNZA)
10:10 – 10:30	20 Minutes	COFFEE/TEA BREAK	SEMINAR ROOM	ALL
10:30 – 11:00	30 Minutes	Some HYPATIA Basics	SEMINAR ROOM	Masterclass Coordinator:- Dr. Chilufya Mwewa

11:00 -11:40	40 Minutes	Go Through Exercises	SEMINAR ROOM	ALL
TIME	DURATION (MINUTES)	TOPIC/SUBJECT	VENUE	SPEAKER/INCHARGE
11:40 -12:40	60 Minutes	LUNCH	SEMINAR ROOM	ALL
12:40 – 13:20	40 Minutes	Particle Physics Data Analysis using HYPATIA - Orientation	Computational Physics Laboratory	Masterclass Coordinators:- Dr. Chilufya Mwewa/Dr. B. Mulilo
13:20 -15:20	120 Minutes	Hands-on: Actual ATLAS Data Analysis with HYPATIA	Computational Physics Laboratory	Students in pairs
15:20 – 15:50	30 Minutes	COFFEE/TEA BREAK	SEMINAR ROOM	ALL
15:50 – 17:00	70 Minutes	Video Conference with CERN	SEMINAR ROOM	CERN & ALL LOCAL PARTICIPANTS
17:00 – 17:10	10 Minutes	Closing Remarks	SEMINAR ROOM	Masterclass Coordinators (Dr. Chilufya/Dr. B. Mulilo)

ACKNOWLEDGMENTS

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