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8th African School on Electronic Structure Methods and Applications - ASESMA 2025 | (smr 4081)

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- (08:30-18:00)

time	title	presenter
08:30	Speeches by ministers and diplomats	
10:00	Coffee Break	
10:30	Basis sets (Plane waves, localized basis set, ...)	MICHELE PAVANELLO
11:30	K-point sampling, smearing, metals	FRANCISCO JAVIER JUNQUERA QUINTANA
12:30	Lunch Break	
14:00	Discussion Q&A	
14:30	Hands-on: Total energy, cutoff, k points, convergence, DOS, (molecules, semiconductors (2D, 3D) part 1	CHIARA CIGNARELLA (UNIVERSITY OF BREMEN, GERMANY), GEORGE SIMIYU MANYALI (KAIMOSI FRIENDS UNIVERSITY, KENYA), JAMES SIMIYU SIFUNA (THE CATHOLIC UNIVERSITY OF EASTERN AFRICA, KENYA), NELSON YAW DZADE (PENN STATE UNIVERSITY, USA) MARAM ALI AHMED MUSA (NATIONAL RIBAT UNIVERSITY, SUDAN), OMAMUYOVWI RITA JOLAYEMI (COVENANT UNIVERSITY, NIGERIA)
16:00	Coffee Break	
16:30	Hands-on: Total energy, cutoff, k points, convergence, DOS, (molecules, semiconductors (2D, 3D) part 2	CHIARA CIGNARELLA (UNIVERSITY OF BREMEN, GERMANY), GEORGE SIMIYU MANYALI (KAIMOSI FRIENDS UNIVERSITY, KENYA), JAMES SIMIYU SIFUNA (THE CATHOLIC UNIVERSITY OF EASTERN AFRICA, KENYA), NELSON YAW DZADE (PENN STATE UNIVERSITY, USA) MARAM ALI AHMED MUSA (NATIONAL RIBAT UNIVERSITY, SUDAN), OMAMUYOVWI RITA JOLAYEMI (COVENANT UNIVERSITY, NIGERIA)