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# Workshop on High Performance Computing for Materials Characterization, Design and Discovery | (smr 3966)

## Monday 21 October 2024

### notitle - (16:00-00:30)

time	title	presenter
16:00	Density-functional theory (DFT)	ANDREA MARINI
16:45	Density-functional perturbation theory: phonons	SABYASACHI TIWARI
17:30	Coffee Break	
18:00	Hands-on: Intro to QE	CARLOS C. PINILLA (UNIVERSIDAD DEL NORTE, COLOMBIA), ANDRES CAMILO ESPEJO (UNIVERSIDAD DEL NORTE, COLOMBIA), RAFAEL GONZALES (UNIVERSIDAD DEL NORTE, COLOMBIA)
19:30	Lunch Break	
21:00	Introduction to Many Body Perturbation Theory & Hand-on: YAMBO	ANDREA MARINI
22:30	Coffee Break	
23:00	Hand-on: YAMBO	ANDREA MARINI

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