

The Scientific Program of ACP2021

Monday 7 March 2022

Parallel Session 1: Materials Physics (1) (14:30 - 16:00)

-Conveners: Stéphane Kenmoe

time	[id] title	presenter
14:30	[132] Determination of the thickness and optical properties by reflectance method	TCHENKA, abdelaziz
14:45	[133] Structural, electronic and optical properties of CN, C ₂ N ₂ and C ₄ N ₂ nanotubes resulting from N-doping small (3,3) SWCNT : A DFT study	TAKASSA, Rabi
15:00	[134] Electron-phonon and Spin orbit coupling in transition metal dichalcogenides quantum dot after short pulse excitation under magnetic field	FOBASSO, FLORETTE
15:15	[135] Density functional study of conductive organic polymers derived from PPE-PPV	CHAABANI, Montassar
15:30	[136] Effect of chemical composition on the structure and dielectric properties of pure and doped Al ₂ O ₃ -ZrO ₂ composites	SAHU, DIPTIRANJAN
15:45	[137] Gamma-ray mass attenuation coefficient of environmentally friendly Bi _{0.5} Na _{0.34} K _{0.11} Li _{0.05} Ti _{1-x} Ni _x O ₃ ceramics	OLARINOYE, Oyeleke

Tuesday 8 March 2022

Parallel Session 1: Materials Physics (2) (14:30 - 16:00)

-Conveners: Lawrence Norris

time	[id] title	presenter
14:30	[196] Biosensor based on photonic crystal for Checking whether the cell is cancerous or benign	EL MOUNCHARIH, Abdelkarim
14:45	[145] Structural analysis and band gap engineering of 2D perovskite $\text{Cs}_2\text{XAg}(\text{I}_{1-x}\text{Br}_x)_6$ for solar cell applications using DFT method	ELFATOUAKI, Fatima
15:00	[146] Properties of the structure, electronics and opticals of AB and AA stacking bilayer graphene intercalated by Sr atom	FARKAD, Omar
15:15	[147] Structural, Electronic and Optical parameters of Zn_2VN_3 Compounds by Density functional theory	HASSINE, Sanae
15:30	[148] Preparation and characterization CNCTS thin films for solar cells without a sulfurization step	ABALI, Abdelaziz
15:45	[149] Structural, elastic, thermodynamic, electronic, optical and thermoelectric properties of lead-free double perovskites $\text{Cs}_2\text{NaBiX}_6$ (X= Cl, Br, I) from ab-initio calculations	OUHAMMOU, Ahmed

Thursday 10 March 2022

Parallel Session 1: Astrophysics & Cosmology (14:00 - 15:30)

-Conveners: **Pedro Takisa Mafa**

time	[id] title	presenter
14:00	[181] Dark-fluid constraints of shear-free universes	ABEBE, Amare
14:28	[185] Status and perspectives of the Euclid mission	RENZI, Alessandro
14:56	[183] Uncovering the fractional order phase transitions in AdS black holes	IRAQUI, Samir
15:13	[182] Thermodynamics of a rotating and non-linear magnetic-charged black hole in the quintessence field	NDONGMO, Ragil