



CALL FOR PAPERS

ICNSMEF 2021
Aug 05-06, 2021
Montreal, Canada

The International Research Conference is a federated organization dedicated to bringing together a significant number of diverse scholarly events for presentation within the conference program. Events will run over a span of time during the conference depending on the number and length of the presentations.

ICNSMEF 2021 : International Conference on Nuclear Shell Model and Electromagnetic Field is the premier interdisciplinary forum for the presentation of new advances and research results in the fields of Nuclear Shell Model and Electromagnetic Field. The conference will bring together leading academic scientists, researchers and scholars in the domain of interest from around the world. Topics of interest for submission include, but are not limited to:

Nuclear shell model	One-particle excitations
Deformed harmonic oscillator approximated model	Two identical nucleons
Including a spin-orbit interaction	Non-identical systems
Deforming the potential	The electromagnetic field
Predicted magic numbers	Electromagnetic transitions and moments
Other properties of nuclei	Transition probability
Alpha particle model	Single-particle estimates
Magic numbers	Quadrupole moment
Spin and parity of nuclear ground states	Magnetic dipole moment
Magnetic dipole moments	Second quantisation
Excited states	Matrix elements
The collective model	Configuration mixing
Evidence for nuclear shell structure	