

International symposium on "Fundamentals of Nuclear Particle Decay"

Program

Location: Room FB42 4th floor AlbaNova University center Stockholm

8:30-9:30	Registration		
Wednesday morning, 28 August Chair: Bo Cederwall			
9:30-9:35	Ramon Wyss	KTH	Welcome
9:35-10:20	Doru Delion	IFIN-HH Bucharest	30 years of Bucharest-Stockholm collaboration in the field of emission processes
10:20-10:45 coffee			
10:45-11:30	Dariusz Seweryniak	Argonne Nat Lab	Superallowed alpha decay into doubly-magic 100Sn
11:30-12:15	Paramasivan Arumugam	IIT Rorkee	Microscopic description of proton emission from deformed nuclei
12:15-13:30 lunch			
Wednesday Afternoon, 28 August Chair: Arne Johnson			
13:30-14:15	Furong Xu	Peking University	Ab initio calculations of weakly-bound and unbound nuclei
14:15-15:00	Osvaldo Civitarese	Univ La Plata	Neutrino Interactions in astrophysical systems
15:00-15:30 coffee			
15:30-16:15	Mikael Sandzelius	University of Jyväskylä	Alpha and Proton spectroscopy of extremely neutron-deficient nuclides below $Z=82$ using the novel MARA vacuum mode separator
16:15-17:00	Chong Qi	KTH	Collectivity of alpha decay defined by single particle units
Conference photo			
17:00-20:00 conference mingle (with pizza and drinks served)			
Thursday Morning, 29 August Chair: Claes Fahlander			
9:00-9:45	Nicolae Sandulescu	IFIN-HH Bucharest	Alpha-like quartet correlations and proton-neutron pairing in nuclei close to $N=Z$ line.
9:45-10:30	Silvia Lenzi	University of Padua	Structure of neutron-rich nuclei around 64Cr
10:30-11:00 coffee			
11:00-11:45	Daria Kostyleva	Justus Liebig Univ Giessen	Observation and first spectroscopy of the three-proton emitter 31K
11:45-12:30	Michelangelo Sambataro	INFN Catanai	Exact $T=0$ eigenstates of the isovector pairing Hamiltonian
12:30-13:45 lunch			
Thursday Afternoon, 29 August Chair: Ayşe Ataç Nyberg			
13:45-14:30	Roderick Clark	Berkley Nat. Lab	Enhancement of Alpha Particle Formation Near 100Sn
14:30-15:15	Chang Xu	Nanjing University	Alpha-cluster formation and decay in the quartetting wave function approach
15:15-15:45 coffee			
15:45-16:30	Vladimir Nedorezov	INR RAS Moscow	Fragmentation of nuclei by intermediate energy real and virtual photons
16:30-17:15	Roberto Liotta	KTH	Microscopic description of superallowed alpha-decay transitions
18:30 conference dinner			
Friday Morning, 30 August Chair: Torbjörn Bäck			
9:00-9:45	Leonid Grigorenko	FLNR Dubna	Theoretical and experimental studies of two- and four-nucleon decays
9:45-10:30	Robert Page	Univ of Liverpool	Recent progress in spectroscopy of heavy nuclei beyond the proton drip line
10:30-11:00 coffee			
11:00-11:45	Alexandru Dumitrescu	IFIN-HH Bucharest	Theoretical investigation of α -like quasimolecules in heavy nuclei
11:45-12:30	Junchen Pei	Univ Peking	Dynamical continuum effects in TDHF and QRPA
12:30-13:45 lunch			
Friday Afternoon, 30 August Chair: Ramon Wyss			
13:45-14:15	Yibin Qian	Nanjing University of Science and Technology	Insight into α clustering of proton-rich nuclei via their α decay
14:15-14:45	Luis Sarmiento	Lund University	Proton decay of 53Co revisited
14:45-15:45 coffee			
End			