



16th Euroschool on Exotic Beams

**Leuven (Belgium) 4 – 11 September
2009**

Photobook

Euroschool Exotic Beams

Partners



Directors of the Euroschool on Exotic Beams

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About myself:

My research interests are in the area of Experimental Nuclear Astrophysics, a field I have been working on since the time of my graduation in 1993. I completed my PhD studies at the University of Catania in 1999 and spent the following two years at the Ruhr-Universitaet Bochum as an Alexander von Humboldt pos-doctoral Fellow. In September 2001, I was appointed Lecturer in the School of Physics and Astronomy at the University of Edinburgh and was promoted to Senior Lecturer in August 2008.

My experimental work focuses on the study of important nuclear reactions for astrophysics using both stable and unstable ion beams; and I am currently seeking funds for the establishment of an underground laboratory specifically dedicated to low-energy Nuclear Astrophysics studies. Over the years, I have been teaching Introductory Physics and Nuclear Physics at undergraduate level; and Advanced Topics for Nuclear Astrophysics at post-graduate level.

Since 2008, I am a member of the Board of Directors of the School.

My interests outside work include reading, cooking, dancing, drawing and painting.

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Martine Bleyen



About myself:

In real life I am the head of the administration of IKS, which is a very nice job.

Since last year I am the secretary of the Euro Summer School on Exotic Beams. It's a pleasure to be part of the organizing committee of this school. This year we organize the school in Belgium. I hope you enjoy the school in Leuven !

Lola Cortina Gil

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**About myself:**

I made my PhD in Nuclear Physics in GANIL(France) in 1996, after few years of postdoctoral stay at GSI(Germany) I got a research position at the University of Santiago de Compostela (Spain). My current interest focus on nuclear structure of light nuclei, and its implications in astrophysics. I am member of the board of directors of this school and I hope you will enjoy your stay here as much as me.

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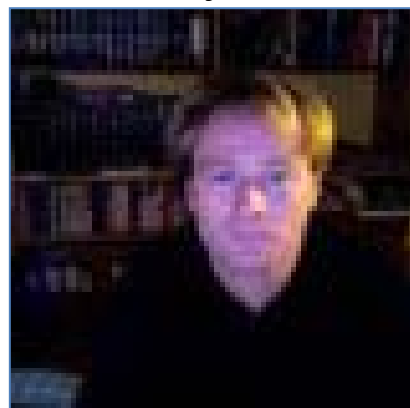
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Tel: (+358) (0) 14 260 2368**Fax:** (+358) (0) 14 260 2351**E-mail:** Ari.jokinen@jyu.fi**Nationality:** Finnish**Day of birth:****Ari Jokinen****About myself:**

My present interests are nuclear structure studies and related instrumentation. I have done most of my research at IGISOL facility in Jyväskylä and at ISOLDE-CERN. I did my PhD Thesis on nuclear decay studies of neutron-rich fission products at IGISOL facility in Jyväskylä. After that I spent bit longer than two years at ISOLDE-CERN, where I have also visited later for another two year period. I'm still working on the spectroscopy of exotic nuclei, but I have been more involved in ion trap physics during the last few years. In addition to the research work and university lecturing duties, I'm involved with various European projects and administrative tasks.

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Tel: (+39) 0498277180**Fax:** (+39) 0498762641**E-mail:** silvia.lenzi@pd.infn.it**Nationality:** Italian and argentinian**Day of birth:****Silvia M. Lenzi****About myself:**

I made my Ph.D. on transfer reactions in 1987 at the University of Buenos Aires. Thereafter I moved to Padova where I worked on the theory of intermediate energy reactions for several years. In 1995 I started an experimental activity on gamma-spectroscopy studies of the structure of high-spin states in $N \sim Z$ nuclei ($A \sim 35-55$) and its description in terms of the shell model. Currently I am professor at the University of Padova and my research activity is devoted to the theoretical and experimental study of the structure of light and medium-mass nuclei far from stability, produced in deep-inelastic and multinucleon transfer reactions, and to the study of the isospin symmetry in isobaric multiplets as a function of the angular momentum. I am member of the scientific committee of the school.

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Tel: +48 22 823 18 96**Fax:** +48 22 823**E-mail:** pfulzner@mimuw.edu.pl**Nationality:** Polisch**Day of birth:****Marek Pfulzner****About myself:**

My research is focused on exotic nuclei produced and studied by using projectile fragmentation reactions. I learned this technique during two long stays at GSI Darmstadt while running experiments at the Fragment Separator. I worked also at the LISE separator at GANIL and at the A1900 at NSCL. One of the main topics of my research has been the isomeric spectroscopy applied to the microsecond isomers close to magic numbers far from stability. I am also involved in studies of two-proton radioactivity. At the University of Warsaw I teach various courses, recently an introductory course on thermal physics.

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Tel: (+49) (0)6159 71-2706**Fax:** (+49) (0)6159 71-2902**E-mail:** C.Scheidenberger@gsi.de**Nationality:** German**Day of birth:****Christoph Scheidenberger****About myself:**

My main research subjects are nuclear structure, astrophysics and reactions. I contribute to a research programme on exotic nuclei at GSI and I am Professor of Physics at the Justus-Liebig-University in Giessen. Since 2006 I chair the Board of Directors of the "Euroscool on Exotic Beams", a task which is quite enjoyable for me, especially together with the other Directors and our always friendly secretary. I do hope that you will enjoy this school, too!

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Piet Van Duppen**About myself:**

Nuclear-structure studies of exotic nuclei and their production using laser ionization are my field of interest. I made my Ph.D. on shape coexistence in the light Pb nuclei in 1985 at the university of Leuven. Thereafter I spend some time in industry, but came back to basic research when the radioactive ion beam project was started at Louvain-la-Neuve. Beginning of the nineties I was physics group leader at CERN-ISOLDE. Currently I'm running together with Mark Huuse the nuclear spectroscopy research group in Leuven and am teaching basic- and nuclear-physics courses. I am member of the scientific committee of the school.

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Piet Van Isacker**About myself:**

I am a theoretical nuclear physicist who applies ideas based on symmetry to quantum mechanical many-body systems. My interest in this topic started with the interacting boson model of the atomic nucleus. I continue to work on nuclei but also apply similar ideas to other domains of physics. Furthermore, I am trying to play the saxophone.

Lectures of the 16th Euroschool on Exotic Beams

Wilton Catford

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About myself:

I am interested in both particle and gamma-ray spectroscopic studies using beams of radioactive ions to probe nuclei far from stability, and I am particularly interested in light nuclei where the driplines are accessible and the shell model and various cluster models can be applied. I came to the UK to do my PhD at Oxford and completed it in 1981. After postdoctoral work in Oxford and back in Australia at the ANU, I returned to the UK in 1990 due to the emerging availability of radioactive beams. Now, using radioactive beams on deuterium targets, my research group employs silicon arrays such as TIARA, MUST2 and SHARC together with Ge gamma-ray arrays such as EXOGAM or TIGRESS to combine gamma-ray and particle techniques and study nucleon transfer reactions. This highlights the changes in single particle energies, and hence shell gaps and magic numbers, for neutron rich nuclei.

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Joaquin Gomez-Camacho



About myself:

Nuclear reactions is my field of expertise. I did my PhD at Daresbury Laboratory, and later was a post doc at the University of Surrey. I have been involved in performing scattering experiments of halo nuclei at low energies, at ISOLDE, Louvain la Neuve, GSI and TRIUMF. Presently I am the Director of the "Centro Nacional de Aceleradores" in Sevilla (Spain).

Stéphane Goriely

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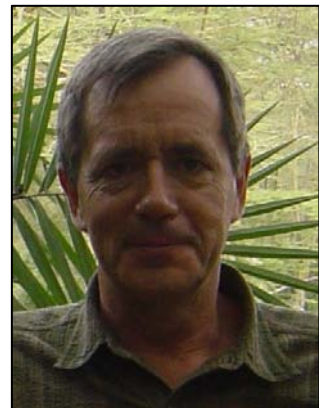
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Mark Huyse

**About myself:**

Production and use of radioactive ion beams are the focuses of my research which brings me at facilities such as Louvain-la-Neuve, ISOLDE, Jyväskylä, TRIUMF, GSI, GANIL, Groningen, ...

In the production process, special emphasis is put on the use of gas catchers as stopping material and the use of lasers for selective ionization. The use of radioactive ion beams is nuclear structure driven and concentrates on reaction- and decay studies near magic shells.

Wolfram Korten

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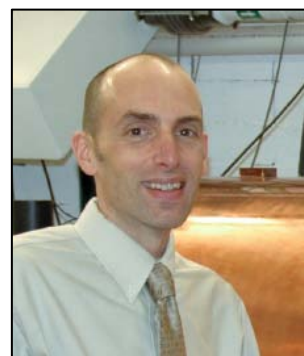
My field of interest are nuclear structure studies using radioactive ion beams with an emphasis on nuclear shape phenomena. After my PhD in 1988, which was devoted to a study of multi-phonon bands in ^{232}Th , I worked as a post doctoral fellow in Berkeley (LBL) and Copenhagen (NBI) before doing my habilitation at the University of Bonn (1995) on superdeformed nuclei in light Hg and Pb nuclei. Since 1996 I am a researcher at CEA Saclay, where I was first leading the nuclear spectroscopy activities. Since 2008 I am leading the nuclear structure group at Saclay. Our research activities cover a large range of nuclear structure topics from light drip line nuclei, exotic nuclear shapes and shape coexistence to the structure of the heaviest elements.

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About myself:

My research interests center on low-energy nuclear structure studies of exotic nuclei via beta decay and beta-ray assisted nuclear magnetic resonance spectroscopy. I received my Ph.D. from the University of Maryland, College Park in 1990 based on decay studies of neutron-deficient Xe isotopes studied at Oak Ridge National Laboratory. I continued at Oak Ridge as a post-doctoral research associate working on low-temperature nuclear orientation techniques. I was also involved with installation of the Recoil Mass Spectrometer. I moved to Michigan State University in 1995, and have a joint appointment in Chemistry and NSCL. I presently serve as Associate Director for Operations at NSCL, as well as National Director for the Nuclear and Radiochemistry Summer Schools program for U.S. undergraduate students.

Wilfried Nörtershäuser

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About myself:

My field of interest are high-resolution laser spectroscopy for nuclear structure studies and tests of fundamental interactions and symmetries. I obtained my doctoral degree at the University of Mainz with studies on coherent multi-step excitation and ionization of calcium for ultra-trace analysis of rare isotopes. Afterwards, I continued these studies on other elements (Gd, Cs, Sr) during a one-year Postdoc time at the Northwest National Laboratory in Richland (USA). From there I returned to Germany where I became responsible for the laser spectroscopy program on halo nuclei at GSI Darmstadt. In 2005 I was granted a Helmholtz Young Investigator Group at the University Mainz and GSI. Here, we continue the laser spectroscopy on halo nuclei and other short-lived species and started activities for tests of Special Relativity and Quantum Electrodynamics in strong electric and magnetic fields of heavy highly charged ions. I am teaching basic-physics and atomic-spectroscopy courses.

Participants of the 16th Euroschool on Exotic Beams

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About myself:

I am presently in the second year of my PhD thesis, I work in the nuclear structure group at GANIL and LPC (CAEN) laboratories.

The subject of the thesis is related to the light neutron rich nuclei. In this region of the nuclear chart, the isotope ^9He arises a particular interest because of its extreme value of the ratio $N/Z = 3.5$, and because of the parity inversion for $N=7$.

I have participated in an experiment at GANIL for studying the reaction $^8\text{He}(d,p)^9\text{He}$ using the new generation MUSTII detectors.

The purpose of the thesis is to survey the nucleus ^9He and to look for its excited states, in order to solve the ambiguities which exist at the moment for this nucleus.

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Michael Albers



About myself:

I am a first year PhD student working in the field of experimental nuclear physics. I am interested in the nuclear structure of the exotic $^{94,96}\text{Kr}$ isotopes. Coulomb excitation experiments have been performed in June 2009 at REX-ISOLDE at CERN using the unstable ^{94}Kr and ^{96}Kr beams to determine absolute E2 transition strengths of the first $2+$ states in both nuclei. For my diploma thesis I worked on the investigation of mixed-symmetry states in the unstable nucleus ^{62}Zn , which was produced in a fusion-evaporation reaction with a stable He-beam. The investigation of mixed-symmetry states in the $A=60-80$ mass region is of particular interest in nuclear structure physics at the moment. I am involved in experiments at the Tandem accelerator of the University of Cologne to extend the investigation of mixed symmetry states in the stable Ge isotopes.

Martin Alcorta

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**About myself:**

am in my last year of my PhD studies, which have concentrated on the study of ^{12}C and its breakup into three alpha particles. The results of these studies have an impact in the field of nuclear structure as well as nuclear astrophysics. I am particularly interested in the field of nuclear astrophysics, though in recent years I have been intrigued by the clustering in nuclear structure.

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Yassid Ayyad

**About myself:**

I'm a first year PhD student in the Experimental Group of Nuclei and Particles (GENP). The main topic of my work is the R&D of an ion ToFWall detector for R3B facilities, inside the FAIR project. In addition, I'm analyzing the fission cross section of ^{181}Ta from several experiments performed in the same campaign at GSI, in which I have participated.

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Beyhan Bastin**About myself:****Address:**

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Christopher Bauer**About myself:**

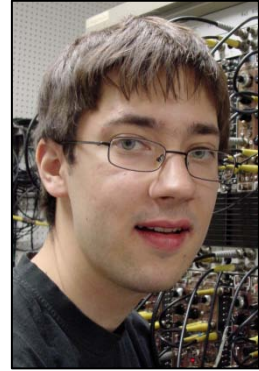
After studying physics at the Technical University of Darmstadt from 2004 to 2009 I am right at the beginning of my PhD now.

During my Bachelor and Master Thesis, 2007 and 2009 respectively, I already worked in the field of nuclear structure physics in the group of Prof. Dr. N. Pietralla. I analyzed data from REX-ISOLDE experiments and engaged especially in Coulomb excitation and the Recoil-in-vacuum technique. Furthermore I could participate in the group's experiments at Argonne National Lab where the Gammasphere detector array is used.

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Norbert Braun**About myself:**

I am a PhD student at the University of Cologne. My Diploma thesis was on mixed-symmetric states in ^{88}Zr , with data taken at the Cologne FN-TANDEM accelerator facility. For my PhD thesis, I am working on the nuclear structure of the extremely neutron-deficient nucleus ^{98}Cd , using data from an experiment at the RISING setup at GSI (Darmstadt) in summer 2008.

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Jeroen Büscher**About myself:**

In the group of nuclear spectroscopy in Leuven I am studying the beta-decay of exotic nuclei in the light mass region. Our experimental setup is designed to be primarily sensitive to delayed charged particle emission in this decay. From the results obtained in the measurement of these particular branches we want to extract more information on the structure of these isotopes, with special interest for the halo nuclei like ^6He , ^{11}Li and ^{11}Be .

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Vratislav Chudoba**About myself:**

I am a PhD student at the Silesian University in Opava, Czech Republic and I do experimental part of my work in ACCULLINA group in JINR, Russia. I am interested in experimental studies of reactions with light exotic nuclei in low and medium energies. I am participant in the project of an intended separator ACCULINNA-2 in FLNR.

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Thomas E. Cocolios**About myself:**

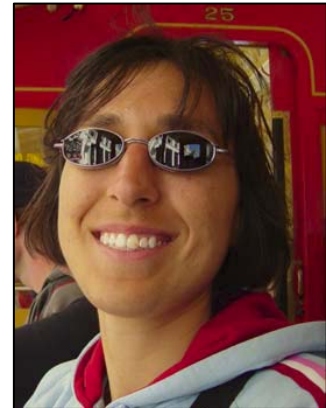
I am a fourth year Ph.D. student at the crossroad between lasers and nuclear physics. My interest is two-fold: laser ionisation for exotic beam production and in-source laser spectroscopy to determine ground- and isomer-state properties of exotic nuclei. My thesis work focuses particularly on the neutron-deficient polonium isotopes as probes for the evolution of the nuclear structure across the Z=82 shell gap but also took me recently around N=Z=28. I am a member of the organising committee.

Anna Corsi

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About myself:

I'm in my 2nd year of PhD in experimental nuclear physics at University of Milano. My activity is focussed on the study of Dynamical Dipole emission in N/Z-asymmetric fusion reactions and isospin mixing in N=Z nuclei at high temperature through measurements of high-energy gamma rays performed at LNL (Italy).

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Lorant Csige



About myself:

I have just finished my Ph.D. studies in the field of experimental nuclear physics. My topic was to study the fission of the actinides having extremely large deformation (i.e. hyperdeformation). Currently, I am a postdoctoral research fellow at the Ludwig Maximilians Universität (Munich), where I continue to perform these experiments on searching for hyperdeformed nuclear states in the region of the actinides and on determining their fission barrier parameters. Meanwhile, I have been also involved in research projects such as studying the nuclear shape coexistence in Pb isotopes at CERN-ISOLDE (Geneva) or examining the particle decay of giant resonances at KVI (Groningen).

Alix Damman

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**About myself:**

I enter in my third year of Ph.D at the ULB (Brussels). I'm interested in computing theoretical microscopic models of three-cluster systems (halo nuclei, ^{12}C near Hoyle state, ...). Before, I finished my master in physics at UCL(Louvain-la-Neuve) in 2007. My master thesis concerned the theoretical study of the $^{18}\text{F}(p,\alpha)^{15}\text{O}$ reaction which occurs in novae. That was my first experiment with the R-matrix method. In my present work, I try to combine microscopic three-cluster models and the R-matrix method.

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Ian Darby

**About myself:**

My main research theme is the nuclear structure of nuclei near the proton drip line. I obtained my degrees at the University of Liverpool, England and am a Post-Doc at IKS.

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Shinjinee Das Gupta**About myself:**

My field of interest is to study the nuclear-structure using stable and radio-active beams. Currently, I am pursuing my Ph.D. from University of Camerino, Italy under the supervision of Prof. Giovanni Lo Bianco. My doctoral thesis will be on the "E0 transition of the first 0^+ excited state of ^{160}Er " and its connection with different nuclear models.

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Marieke De Rydt**About myself:**

Since 2005, I'm a member of the nuclear-moments group at the university of Leuven. In our research group we study the structure of exotic nuclei by measuring their magnetic and quadrupole moments using laser-spectroscopy and β -NMR. My research work is concentrated on the Cl-nuclei in the vicinity of the N=28 shell closure and on the neutron-rich Al-isotopes at the border of the island of inversion. It includes the implementation, analysis and interpretation of three β -NMR experiments performed at GANIL.

I very much enjoyed the euroschools in Trento (2006) and Houlgate (2007) and I'm looking forward to the current edition in Leuven. However, as I'm finishing my PhD I will probably not be around all day.

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Paloma Díaz**About myself:**

I am a first year PhD student in the experimental group Nuclei and Particles (GENP) in Santiago de Compostela. Now I am working with Geant4 and R3BSim doing simulations on the crystal's prototype of the calorimeter CALIFA, this is the main topic of my DEA (Diploma of Advanced Studies). The main theme of my thesis is going to be an experiment proposed for 2010. The subject is to study light neutron-rich nuclei ($Z=4$ a $Z=10$) utilizing kinematically complete measurements of reactions at relativistic energies with the LAND/R3B reaction setup at GSI Darmstadt, Germany. The physics topics to be studied comprise the measurement of astrophysical reaction rates relevant for r-process nucleosynthesis using heavy-ion induced electromagnetic excitation and quasi-free knockout reactions to study the evolution of shell and cluster structures close to and beyond the dripline.

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Ricardo Domínguez Reyes**About myself:**

I'm a 4th year PhD student in IEM, CSIC. I'm studying beta-delayed particle emissions in light exotic nuclei. I have studied the proton and gamma emissions in ^{33}Ar and ^{32}Ar (experiment performed at GANIL) and currently I'm studying proton and alpha emissions from ^{17}Ne (experiment performed at ISOLDE).

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About myself:

I am doing my research at IUAC New Delhi since 2006. My current research interest is fusion-fission reaction dynamics. I had spent almost three years in this area. Other fields in which we are working include transfer reactions and also fission dynamics. Presently working with RMS group HIRA (Vacuum separator) and HYRA(Gas filled separator) in IUAC. I also have experience in working with neutron detector arrays.

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Michael Elvers



About myself:

Developing the new Prototypes for the NeuLAND-detector at GSI/FAIR and the investigation of octupole vibrations in even-even rear earth nuclei is my field of interest. I studied at Technische Universität Darmstadt (Germany) and spent one year at the University of Bristol (England). In 2007, I finished my diploma thesis where I developed the data acquisition for the Low-energy photon tagger (NEPTUN) at superconducting electron accelerator in Darmstadt. After my diploma, I moved to Cologne where I've started my PHD-thesis. Beside the topics mentioned above, I'm building up the new digital data acquisition system for the tandem accelerator in Cologne with other PHD-students and postdocs.

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Mathieu Ferraton**About myself:**

I'm a PhD student at IPN Orsay, in the field of experimental Nuclear Physics. I'm part of the NESTER group of IPN which studies nuclear structure and nuclear reactions.

I'm particularly interested in gamma spectroscopy, and the main part of my work, during my first two years as a PhD student, was to set up the new Ge detector array called ORGAM, which is now operating at the tandem accelerator in Orsay. The main experiment of my PhD thesis, the first using the ORGAM setup, aims to produce neutron rich exotic nuclei in the N=40 region, using fully damped deep-inelastic collisions of heavy ions.

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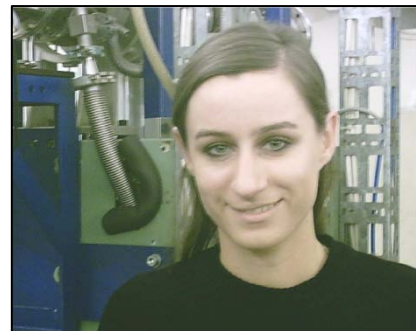
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Kerstin Geibel**About myself:**

I am a Ph.D. student at the Institut für Kernphysik in Cologne. The main focus of my diploma thesis and the first part of my Ph.D. studies was the search for isomeric proton emission of ^{54}Ni . Therefore I constructed an experiment at the Cologne Tandem accelerator.

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About myself:

I am first year Ph.D student working in the Experimental nuclear physics at the Lund University. The main focus of my Ph.D nuclear spectroscopy studies in $A \sim 60$ mass region using fusion evaporation reactions.

Jnaneswari Gellanki**Address:**

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About myself:

I am a last year PhD student working in the field of Radioactive Ions Beams at the LNS in Catania. My research work is based on FRIBs Project, that is relating on the production of RIBs at Intermediate Energies by the In-Flight method at the LNS. In particular I studied two-proton exotic decay of ^{18}Ne excited states and Coulomb dissociation of ^{17}F that will be my PhD thesis main topics.

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Katarzyna Hadynska**About myself:**

I'm a Ph.D. student in field of nuclear physics at the University of Warsaw. I am doing my research at the Heavy Ion Laboratory, University of Warsaw. My Ph.D. thesis will be concentrated on electromagnetic properties of superdeformed bands in calcium nuclei studied using Coulomb excitation. I'm interested in Coulomb excitation theory and experiments with stable and exotic beams. I participated in exotic beam experiments performed at the REX-ISOLDE facility at CERN and also in the first test with slowed down beams in GSI. As a member of PARIS collaboration I work with a new generation scintillator gamma detectors LaBr₃.

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Jacob Johansen**About myself:**

I am a second year PhD-student at Aarhus university. I study light radioactive nuclei. The study is done by transfer reaction with radioactive beams. At the moment I am looking at neutron rich beryllium isotopes mainly ¹²Be.

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Zeliha Seda Ketenci**About myself:**

I am a second year graduate student working in the field of experimental nuclear structure at the Nigde University.

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Oliver Kirsebom**About myself:**

At first, I tried my luck with ^{10}Li (Euroscool '07), then for a while I flirted with ^8B (Euroscool '08), but eventually I met ^{12}C and it was love at first sight. The experiment took place one year ago in Madrid, Spain. At Euroscool '09 I will present fresh results from the ongoing (and seemingly everlasting) analysis. I look forward to visit Belgium (for the first time in my life) and to beat Pieter in football.

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Jörg Krämer**About myself:**

I am currently doing my Ph.D in the group of Wilfried Nörtershäuser at the university of Mainz. I am working on the study of exotic nuclei by means of collinear laser spectroscopy. We are setting up a new collinear beamline at the research reactor at Mainz, which is the major part of my work.

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Alexander Kulko**About myself:**

I am a PhD student working in the field of experimental nuclear physics. The main focus of my research is the study of reactions induced by light stable and unstable weakly bound nuclei at energies around the Coulomb barrier.

Ravinder Kumar

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**About myself:**

I am a PhD student in the Department of Physics, Kurukshetra University, Kurukshetra, Haryana, INDIA and about to complete my Ph.D. degree.

In last four, My research work has been focused on the structural study (theoretically) of exotic nuclei (Neutron/Proton rich nuclei) through the stripping reactions using eikonal approximation within the framework of Glauber Model at high energies(50-100 MeV/n). Currently I am interested in newly formed exotic nuclei like 26P, 27P, 28P etc, using more sophisticated theories.

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Caterina Michelagnoli

**About myself:**

I am working in the field of nuclear spectroscopy and my research activity is mainly concerned with the measurements of the lifetimes of excited nuclear states (Doppler Shift techniques). I studied in the University of Florence (Italy) and graduated in April 2009.

My Diploma thesis consisted in the study of the light barium isotopes, in the search for critical point symmetries candidates.

I got a fellowship with the Legnaro National Laboratories, which allowed me to follow the local research activities, such as the setting of the AGATA array.

At the moment, while I am working in LNL, I am studying for the PhD examinations which I will apply to in the next months.

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**About myself:**

The field in which I am currently basing my PhD studies consist of high-spin structures in transitional nuclei around $A \sim 180$. My work comprises the experimental analysis of several channels in a fusion-evaporation reaction and the later study of high-spin intrinsic states and rotational bands.

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Thomas Möller

**About myself:**

Right now I am working on my Master Thesis in the field of nuclear structure investigation at Darmstadt Technical University and I will begin my PhD in fall. So far, I have been involved in our group's experimental program performing Coulomb excitation experiments at the Argonne National Laboratory using the Gammasphere detector array.

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Mohamad Moukaddam**About myself:**

I'm a 2nd year PhD student working in the field of Nuclear Structure in the IPHC at Strasbourg, France. In couple of words the aim of my work is to find the $d_{5/2}^+$ strength in the ^{69}Ni , and to test Shell Model in the region of neutron rich nuclei $N=40$. In principle the results will help theorists to predict with more accuracy the Magicity of ^{78}Ni .

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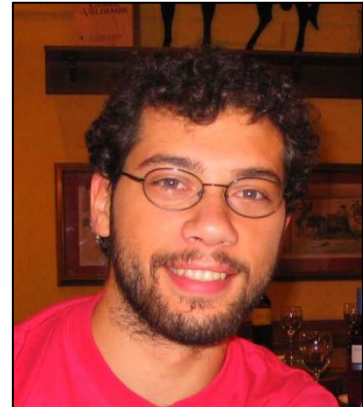
M. Ali Najafi**About myself:**

I'm a first year PhD student, in the field of experimental nuclear physics. I was involved in a feasibility test in April 2009 at KVI, and now, I'm working on the simulation of a set of detectors for EXL experiment, which is part of FAIR project at GSI, Germany.

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Roberto Nicolini**About myself:**

My main interest is in the field of gamma spectroscopy. For my PhD, which I started this year, I am working on an experiment concerning the study at high resolution of the Giant Resonances of ^{208}Pb . This experiment will make use of the AGATA Demonstrator and of some large volume $\text{LaBr}_3:\text{Ce}$ detectors.

In addition, I will work on the study of isomeric states in neutron-rich exotic isotopes of Pb, within an experiment with the RISING array in the "stopped beam" configuration, at GSI.

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Patrick David O'Malley**About myself:**

I am a fourth graduate student at Rutgers University in New Jersey, USA getting my Ph.D. in low energy nuclear physics. I am supported by a Stewardship Science Graduate Fellowship from the National Nuclear Security Administration. The research I do is in nuclear astrophysics, particularly focusing on nucleosynthesis via the r-process and sprocess paths. This research is primarily done at Oak Ridge National Lab with the use of radioactive ion beams from the Holifield Radioactive Ion Beam Facility. This summer, as part of the requirements of my fellowship, I am working on the development of a neutron Time Projection Chamber at Lawrence Livermore National Lab.

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Bruno Olaizola**About myself:**

I'm a first year PhD-student in nuclear physics at the "Grupo de Física Nuclear" in the "Universidad Complutense de Madrid". My research is focused in experimental nuclear structure, and I work applying the Advanced Time Delayed Coincidence method to exotic nuclei. My thesis will be focused in the ^{65}Mn isotope, but I'm currently working with mass 30 isotopes.

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Rubén Pampa Condori**About myself:**

I am a second year PhD student working in transfer and capture reactions of nucleons by weakly bound nuclei. These reactions generally occur on the surface of the nucleus, far from the strong interaction, and are therefore called peripheral reactions. This process of radiative capture and some transfer reactions are examples of peripheral reaction. Here the goal is to study the mechanism of these processes in terms of the peripherality of the reaction.

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Dieter Pauwels**About myself:**

I am a post-doc in the nuclear-spectroscopy group at the university of Leuven. Currently, my main interest is the investigation for unique research activities at the future ISOL@MYRRHA facility in Mol (Belgium), which is a planned ISOL facility with high beam intensities (100 to 200 uA) and with the availability of long beam times (up to several months). During my Ph.D., I was working on the beta decay of neutron-rich nickel, cobalt, and iron isotopes at the LISOL facility in Louvain-La-Neuve, Belgium. In the beginning of October, we are having beam time at ISOLDE (CERN) for the beta-decay study of neutron-rich manganese isotopes.

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Deyan Radulov**About myself:**

I'm a first year PhD student in KU Leuven, who is interested in everything connected to science, but if I have to be more specific, I'd say that I love Nuclear Physics. Previously, I've been involved in fast timing experiments, but now I'm looking forward to doing research in the field of Nuclear Structure of neutron rich nuclei, as well as dealing with highly segmented Ge detectors and the electronics connected to them.

Giacomo Randisi

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About myself:

I'm a first year PhD student working at Laboratoire de Physique Corpusculaire de Caen in the field of experimental nuclear structure. My thesis subject concerns the domain of light neutron rich nuclei, particularly the structure of unbound nuclei like ^{10}Li , ^{12}Li and ^{13}Be . I have also taken part to experiences in Laboratori Nazionali del Sud of Catania (INFN-LNS) and ISOLDE (CERN).

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About myself:

I am a first year PhD student at the University of São Paulo, Brazil. I work in experimental nuclear structure, in particular the study of odd-odd nuclei in the $A=60-70$ mass region, produced by fusion-evaporation reactions. To describe theoretically these nuclei, I also perform calculations using the Large Scale Shell Model with the ANTOINE code.

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Mikael Reponen**About myself:**

I am a second year PhD. in the JYFL accelerator laboratory. My main project at the moment is the development of the FURIOS laser ion source. Alongside the laser ion source development I am also taking part in collinear spectroscopy measurements.

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Roman Revenko**About myself:**

I'm a PhD student which works in the field of reactions with light radioactive nuclei beams. I participate in experiments carried out on facility DRIBS (Dubna Radioactive Ion BeamS). Also I'm interested in new methods for registrations charged particles.

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**About myself:**

I am a diploma student at the University of Greifswald in the group for atomic and molecular physics. My main interest is Penning trap mass spectrometry of exotic nuclei. In my diploma thesis I studied different excitation modes of the eigenmotions in Penning traps.

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Sebastian Rothe

**About myself:**

I did my diploma thesis in the group of Klaus Wendt in Mainz, setting up a solid-state laser light source in the orange-red region for resonance ionization spectroscopy of Si and Sc. I just started my PhD thesis at CERN in the ISOLDE/RILIS group, developing and installing a solid-state laser system of titanium:sapphire lasers for the laser ion source.

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Antti Saastamoinen**About myself:**

I am nth year PhD student working in the field of experimental nuclear physics at the Department of Physics, University of Jyväskylä. The focus of my research is production of radioactive ion beams at IGISOL facility and studies of astrophysically interesting nuclei through charged particle spectroscopy.

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Praveen Shidling**About myself:**

I am Post doctoral fellow working in the field of production of Radioactive Ion Beam and lifetime measurement of proton-rich nuclei with $10 \leq Z \leq 20$ at KVI, Groningen. The present research work involves precision measurement of the lifetime of some mirror nuclei. I did my Ph.D. on study of fission hindrance phenomenon in ^{200}Pb . It was demonstrated in my Ph.D. work that the spin distribution of evaporation residue is a sensitive probe to study the fission hindrance phenomenon.

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**About myself:**

I am a third year PhD student and the neutron-induced fission at intermediate energies is my primary research field. In my project, the neutron beam of the Louvain-la-Neuve neutron beam facility has been used to measure fission fragment yields of ^{238}U and ^{232}Th . Before the PhD studies, I have also been working about 2 years in nuclear industry and about 5 years as a researcher in the field of charge-particle optics instrumentation.

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Volker Sonnenschein

**About myself:**

Development of Laser-Ion-Sources and laser spectroscopy of exotic nuclei are my current interests. After my master thesis in the LARISSA group in Mainz, Germany, I started my PhD in the laser division of the IGISOL group at the end of last year. Running topics of my thesis are further developments on the shadow-gas-cell approach and laser spectroscopy of thorium isotopes.

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**About myself:**

I'm a diploma student at the TU Muenchen. My research subject is a Geant 4 simulation for the experiment S330 done at GSI. This experiment investigates extremely neutron deficient nuclei around doubly magic 100Sn.

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Izabela Strojec

**About myself:**

I am a third year PhD student at Department of Nuclear Reactions The Andrzej Soltan Institute for Nuclear Studies. My research is focused on study the structure of quasielastic barrier and structure of ^{20}Ne . Dedicated experiments have been made in Heavy Ion Laboratory in Warsaw, on system ICARE.

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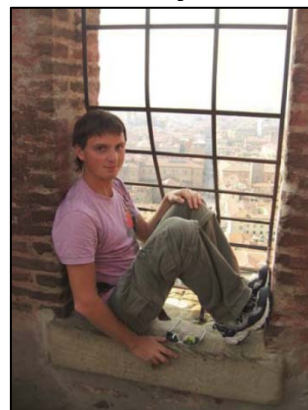
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Dmitry Testov**About myself:**

About myself: I am getting more and more experience studying beta delayed neutron emission from very exotic neutron rich nuclei. Carrying out experiments in this region not only a curious but also a difficult task is (because of short time of half-life, low production rate of nuclei of interest). The main tool for me is ^3He gas-filled neutron detector which has some strong advantages over neutron detectors of other types. Now, it seems to me, I am starting understand the true life of a young experimental physicist and even worse – I realise that I like this life! In my normal life (outside Lab) I do cycling (cross-country), tennis (just picked it up two months ago so now I can hit the ball by rocket even in the right direction) and kayaking (especially after the last euro-school in Poland)!

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Andrew Tsiganis**About myself:**

I graduated from the 5-year applied physics course of the Physics Department of the National Technical University of Athens (NTUA) a year ago and am now attending the postgraduate physics course. Continuing the work I began for my degree thesis on the cross section measurement of the $^{197}\text{Au}(n,2n)^{196m2}\text{Au}$ and $^{197}\text{Au}(n,2n)^{196g+m1}\text{Au}$ reactions in the energy range of 9.0 to 11.0 MeV, I am currently working on combining the experimental data with statistical model calculations using the STAPRE and EMPIRE codes.

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Martin Verhart**About myself:**

I defended my PhD. on experimental studies of K isomers in nuclei with $Z \approx 100$ at Comenius University in Bratislava (Slovakia). Presently, I'm working as a post-doc at IKS, K. U. Leuven within Nuclear spectroscopy group, led by Mark Huyse and Piet Van Duppen. My scientific interests are: nuclear fission, the shape coexistence in lead region, especially in odd-mass gold and mercury isotopes and properties of superheavy nuclei.

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Pieter Vingerhoets**About myself:**

I am a third year PhD student working in the field of experimental nuclear physics at the University of Leuven. Our main research is about laser spectroscopy, I'm working on magnetic and quadrupole moments of neutron-rich Cu isotopes. Leuven is really a beautiful city to live in, I hope you'll all realize this by the end of the week.

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Andreas Wendt**About myself:**

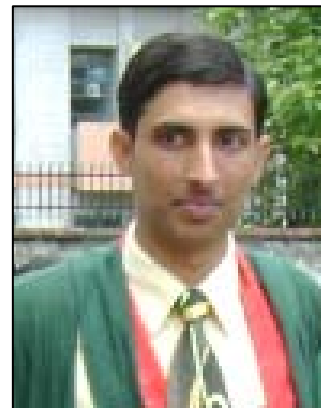
I studied Physics in Bonn and Cologne, finished 2008. My diploma thesis was about the search for a rare isomeric proton decay of ^{54}Ni .

Now I am a Ph.D. student, working on the LYCCA-Detector (Lund-York-Cologne-CALorimeter). LYCCA is a combined Time-of-Flight-Telescope-Device used to identify fragments after secondary reactions of radioactive ion beams within NUSTAR's upcoming PreSpec- and the future HiSpec/DeSpec-campaign at GSI.

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Abhishek Yadav**About myself:**

Presently, I am working on low & medium energy nuclear reactions at Inter-University Accelerator Center (IUAC), New Delhi, INDIA. Recently, I have participated in some heavy-ion (^{16}O , ^{14}N) induced incomplete fusion experiments at IUAC. However, for my Ph. D. thesis, experiments will be carried out to explore the dynamics of breakup fusion induced by $^9\text{Be}/^7\text{Li}$ with $A=169$ target nuclei at energies well below and above barrier. Apart from nuclear reactions, I love to do painting.

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**About myself:**

I am a PhD student at University of Ioannina and I am working on nuclear reactions with weakly bound nuclei. I have participated in one experiment at National Research Center Demokritos and I have done the data evaluation so far.