# ARIS2023 Poster Contributions (sorted by track)

| id | abst | Submitter | | affiliation | Title | track |
|---|---|---|---|---|---|---|
| 1 | 320 | Morgane | BOUTECULET | IJCLab/CNRS | Production of Tb-155 with highly enriched targets : first results | applications |
| 2 | 321 | Antonietta | Donzella | Università di Brescia | Production and characterization of 111Ag in a TRIGA Mark II reactor for medical use in the Italian IS | applications |
| 3 | 377 | Emil | Traykov | IPHC | Li-8 and He-8 beams for hadrontherapy | applications |
| 4 | 482 | Keisuke | Saito | Nagoya University | Development of 14C cavity ring-down spectroscopic system for biomedical tracer and environment | applications |
| 5 | 491 | Arnaud | Guertin | CNRS/IN2P3 | MEASUREMENTS OF 161TB PRODUCTION CROSS SECTION FOR NUCLEAR DATA AND NUCLEAR MED | applications |
| 6 | 501 | Etienne | NIGRON | GIP ARRONAX | Is 70Zn(d,x)67Cu the best way to produce 67Cu for medical applications? | applications |
| 7 | 510 | Chloe | Kleinfeldt | Michigan State University - Facility fo | Conversion coating method development for thin-film vanadium targetry | applications |
| 8 | 592 | Vladyslav | Bodnar | Michigan State University - Facility fo | Evaluation of metal-organic frameworks for room temperature noble gas harvesting at the Facility f | applications |
| 9 | 621 | Erika | Jajčišinová | KU Leuven | Towards a cyclotron production of Ac-225 for targeted alpha therapy | applications |
| 10 | 629 | Claire | Deville | Technical University of Denmark | Improved procedures for La-135 cyclotron production and purification | applications |
| 11 | 656 | Samuel | Kim | BNL | Reactor Antineutrino Spectral Excess: Cumulative Fission Yield Measurement Using Gamma-Ray Spectroscop | applications |
| 12 | 335 | Brenden | Longfellow | Lawrence Livermore National Labora | Solar Neutrinos and Physics Beyond the Standard Model Probed through Boron-8 Beta Decay | astro |
| 13 | 352 | Eleanor | Ronning | Michigan State University | Total Absorption Spectroscopy of Ground and Isomeric States in 70Cu | astro |
| 14 | 368 | Jinti | Barman | Indian Institute of Technology Roork | Effect of Halo and Bubble Nuclei in Limited Abundance Calculations Relevant for the r-process | astro |
| 15 | 371 | Anna | Kawecka | Chalmers University of Technology | Fission, gamma rays and the r-process | astro |
| 16 | 505 | Paul | Proust | institut de physique des deux infinis | The role of tensor forces in polarised nuclear matter | astro |
| 17 | 597 | Pelagia | Tsintari | Central Michigan University | A new technique for direct (n,p) reaction measurements of astrophysical interest using radioactive | astro |
| 18 | 301 | Gabriel | Tabacaru | Cyclotron Institute, Texas A&M Univ | New Technique of Injecting Radioactive Ions into Charge Breeding ECR Ion Source | facilities |
| 19 | 304 | CheongSoo | LEE | Institute for Basic Science, KOREA | Performance Test of Beam Drift Chamber for LAMPS | facilities |
| 20 | 305 | HyoSang | Lee | Institute for Basic Science, Korea | Development of LAMPS Time Projection Chamber at RAON | facilities |
| 21 | 322 | Shumpei | Noji | Facility for Rare Isotope Beams, Mich | Design of the High Rigidity Spectrometer at the Facility for Rare Isotope Beams | facilities |
| 22 | 339 | Jonas | Stricker | Johannes Gutenberg-Universität Mai | Production of highly charged and molecular thorium ions for fundamental physics | facilities |
| 23 | 375 | Maria Vittoria | Managlia | Chalmers University of Technology | Detecting fission fragments at ISS | facilities |
| 24 | 378 | Mathias | Gerbaux | LP2iB - Université de Bordeaux | A DESIRable radiofrequency cooler and buncher: the GPIB | facilities |
| 25 | 386 | Thorben | Niemeyer | Universität Mainz | Towards implantation of pure Fe-55 for radioactivity standardization by low temperature devices | facilities |
| 26 | 422 | Julia | Even | University of Groningen | The NEXT setup to study Neutron-rich EXotic nuclei produced in multinucleon Transfer reactions | facilities |
| 27 | 425 | Asahi | Yano | Univ. of Tsukuba | Development of a Thick Solid Deuterium Target | facilities |
| 28 | 445 | Jinn Ming | Yap | Department of Physics, The Universit | Gas Cell Development using a 248Cm Fission Source at the ZD MRTOF Mass Spectrograph at RIBF | facilities |
| 29 | 472 | Yu Hu | Zhang | Institute of Modern Physics, Chinese | B$\rho$-defined isochronous mass spectrometry using two TOF detectors at CSRe-Lanzhou | facilities |
| 30 | 474 | Hideki | Tomita | Nagoya University | Development of Ti:Sapphire laser system for resonance ionization laser ion source, PALIS RIKEN | facilities |
| 31 | 475 | Xu | Zhou | IMP-Lanzhou | Precision velocity measurements of ions in the storage ring CSRe-Lanzhou | facilities |
| 32 | 478 | Hervé | Savajols | GANIL/CNRS | The Super Separator Spectrometer (S$^3$) at GANIL/SPIRAL2 | facilities |
| 33 | 487 | Dinko | Atanasov | LP2iB | Technical progress at the double Penning trap PIPERADE | facilities |
| 34 | 515 | Enrique | Minaya Ramirez | IJCLab | The ALTO facility of IJCLab | facilities |
| 35 | 516 | Sam | Porter | University of Notre Dame | Beta-neutrino angular correlation measurements of mirror transitions with St. Benedict | facilities |
| 36 | 532 | Daniel | Burdette | Argonne National Laboratory | Beta-Delayed Neutron Spectroscopy of Californium-252 Fission Fragments with BEARtrap at Argonr | facilities |
| 37 | 548 | Sophie | Morard | IJCLab | Recent Progress with the MLLTRAP double Penning Trap Mass Spectrometer at ALTO | facilities |
| 38 | 559 | Zhong | Liu | IMP, CAS | New Super-pulse Fitting Algorithms for Decomposing Pile-up Pulses and Application to the $\alpha$ | facilities |
| 39 | 563 | Robert | Bark | iThemba LABS | The South African Isotope Facility and Low-Energy Radioactive-Ion Beam Project | facilities |

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|---|---|---|---|---|---|---|
| 40 | 571 | Mitzi | Urquiza | HÜBNER Photonics | High-resolution spectroscopy of exotic silver with a cw OPO injection-seeded PDA. | facilities |
| 41 | 573 | Simon | Vanlangendonck | KU Leuven | Indium Energy Spectrum Shape (InESS) at WISArD | facilities |
| 42 | 581 | Jens | Lassen | TRIUMF - Canada's particle accelerat | Advances in TRIUMF's resonant ionization laser ion source | facilities |
| 43 | 586 | Lucia | Caceres | CEA-GANIL | Production and laser spectroscopy studies of stable palladium | facilities |
| 44 | 589 | Ruohong | Li | TRIUMF, Canada | Development of the polarizer facility at TRIUMF | facilities |
| 45 | 594 | Aurelia | Laxdal | TRIUMF | Higher rare isotope yields at ISAC TRIUMF using proton beam rastering | facilities |
| 46 | 603 | Matt | Amthor | Bucknell University | Advanced Spectrometer and Separator Tuning for Commissioning or New Operational Modes | facilities |
| 47 | 630 | Tim Enrico | Lellinger | CERN | Towards a collinear laser spectroscopy setup with 1 ion/s sensitivity | facilities |
| 48 | 635 | Ani | Aprahamian | U. Notre Dame | RF timer based time-of-flight spectrometer for the measurement of the absolute energy of alpha pa | facilities |
| 49 | 648 | Fredrik | Parnefjord Gustafsso | KU Leuven | Synthesis of cold highly charged radionuclei using antiprotons | facilities |
| 50 | 303 | Xing | XU | Institute of Modern Physics, Chinese | Breakdown of the Isobaric Multiplet Mass Equation at $A = 54$, $T = 3$ | ground-state |
| 51 | 306 | Sacha | Daumas | CNRS | Searching for CP-violation in nuclear beta decay: First results of the MORA experiment | ground-state |
| 52 | 373 | Nina | Kneip | Johannes Gutenberg University Main | Investigation of the atomic and nuclear structures of $^{244-248}$Cm | ground-state |
| 53 | 390 | Jianwei | Zhao | GSI Helmholtzzentrum für Schwerion | Measurements with the FRS Ion Catcher in the region below $^{100}$Sn and on the $^{252}$Cf spo | ground-state |
| 54 | 423 | Magdalena | Kaja | Johannes Gutenberg-Universität Mai | Hyperfine structure and isotope shift in the atomic spectrum of neptunium | ground-state |
| 55 | 440 | Kristian | König | TU Darmstadt | Collinear laser spectroscopy in medium-mass elements at BECOLA | ground-state |
| 56 | 447 | Yuanming | Xing | IMP, CAS | Mass measurement of neutron-deficient Tz=3/2 nuclides at CSRe | ground-state |
| 57 | 448 | Matou | Stemmler | Johannes Gutenberg-Universität Mai | Resonance Ionization Mass Spectroscopy on Americium | ground-state |
| 58 | 456 | Patrick | Müller | TU Darmstadt | The nuclear charge radius of $^{13}$C | ground-state |
| 59 | 459 | Donsheng | Hou | Institute of Modern Physics, Chinese | Mass measurement in the neutron-rich Mo region using the new ZD MRTOF system | ground-state |
| 60 | 470 | Anjali | Ajayakumar | GANIL | First in-gas-jet laser spectroscopy with S$^3$-LEB | ground-state |
| 61 | 473 | Shutaro | Hanai | CNS, University of Tokyo | Direct mass measurement of neutron-deficient Fe isotopes | ground-state |
| 62 | 565 | Pauline | Ascher | CENBG | Penning-trap mass measurements of neutron-rich Rh and Ru nuclei at IGISOL/JYFL | ground-state |
| 63 | 577 | Mohamad | Kanafani | LPC-Caen | b-STILED: Search for Tensor Interactions in nucLear bEta Decay | ground-state |
| 64 | 588 | Laura | Renth | Technische Universität Darmstadt | Collinear Laser Spectroscopy on Neutron Rich Palladium Isotopes | ground-state |
| 65 | 591 | Mark | Bissell | CERN | Magnetization distribution from hyperfine anomaly measurements | ground-state |
| 66 | 332 | Michael | Serikow | FRIB/MSU | Study of 11Be excited states via the 10Be(d,p) reaction in SOLARIS with the AT-TPC | reactions |
| 67 | 351 | Tom | Génard | GANIL | Characterization of the participent zone in Xe+Sn collisions | reactions |
| 68 | 427 | Pengjie | Li | The University of Hong Kong | Cluster structure of neutron-rich beryllium isotopes probed by cluster knockout reactions in inverse | reactions |
| 69 | 436 | Daniel | Bazin | Michigan State University | Recent results with the Active Target Time Projection Chamber | reactions |
| 70 | 438 | Rurie | Mizuno | University of Tokyo | Study of muon capture reaction on Si via in-beam muon activation | reactions |
| 71 | 449 | Deepak | Kumar | GSI Helmholtzzentrum für Schwerion | Investigation on Isomeric ratio of $^{211}$Po produced via MNT approach using $^{136}$Xe + $^{2 | reactions |
| 72 | 509 | Andrew | Ratkiewicz | Lawrence Livermore National Lab | Surrogate Reactions in the FRIB Era -- New Challenges and Opportunities | reactions |
| 73 | 520 | Bogumił | Zalewski | University of Warsaw | Elastic scattering of 6He+d at 26 MeV/A | reactions |
| 74 | 547 | Xiaohui | Sun | Huzhou University | Cross-section measurement in proton-, deuteron- and carbon-induced reactions on 136Xe in invers | reactions |
| 75 | 632 | Quentin | DELIGNAC | LP2I Bordeaux | Study of proton and neutron excitations along Silicon Isotopes between N=20 and N=28 | reactions |
| 76 | 330 | Silvia | Bara | IKS, KU Leuven | Beta-delayed fission of neutron-rich actinides | spectroscopy |
| 77 | 361 | Hao | Jian | IMP-CAS Lanzhou | β-delayed proton decay of 23Si and isospin symmetry breaking | spectroscopy |
| 78 | 362 | Peng | Shuai | Institute of Modern Physics, Chinese | β-decay studies of A = 107 nuclei using the Modular Total Absorption Spectrometer (MTAS) | spectroscopy |
| 79 | 376 | MASSYL | KACI | IJCLab PhD | In-beam gamma-ray spectroscopy of the exotic 79Cu with HiCARI | spectroscopy |

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| 80 | 382 | Antoine | Barrière | GANIL | Study of the tensor force contribution in the N isotopic chain using QFS reactions | spectroscopy |
| 81 | 383 | Frank (Tongan) | Wu | Simon Fraser University | Searching for Alpha-Cluster States in $^{126}$Te | spectroscopy |
| 82 | 394 | Nikhil | Mozumdar | Technische Universität Darmstadt In | Search for near-threshold multi-neutron resonances in (p,2p) reactions with neutron-rich nuclei at I | spectroscopy |
| 83 | 395 | Michael | Roosa | Texas A&M University | Spectroscopy of $^{12}$Be using TexAT TPC | spectroscopy |
| 84 | 402 | James | Smallcombe | Japan Atomic Energy Agency | Study of 70,72Se nuclear shapes with SPICE and TIGRESS | spectroscopy |
| 85 | 403 | Yufeng | GAO | Institute of Modern Physics, CAS | β-decay spectroscopy of 28S | spectroscopy |
| 86 | 413 | Mejdi | Mogannam | Michigan State University | Extracting β-decay strengths from 73Co using the Summing NaI (SuN) Total Absorption Spectromet | spectroscopy |
| 87 | 420 | Jiajian | Liu | Institute of Modern Physics | Strongly isospin-mixed doublet in 26Si observed by β decay of 26P | spectroscopy |
| 88 | 484 | Magda | Satrazani | University of Liverpool | Shape studies in neutron-rich cerium isotopes | spectroscopy |
| 89 | 508 | Maria Jose | Garcia Borge | Instituto de Estructura de Materia | Elucidating the structure of the 16.6 - 16.9 MeV doublet of $^8Be$ through β-decay feeding | spectroscopy |
| 90 | 519 | Bernadette | Rebeiro | GANIL and University of the Western | Exploring low-lying states in 136Cs and 136Ba relevant for 136Xe neutrinoless double beta decay | spectroscopy |
| 91 | 529 | Wenqiang | Zhang | Institute of Modern Physics, Chinese | New structure features revealed in isomeric spectroscopy in the Z ∼ 82,N ∼ 104 region | spectroscopy |
| 92 | 566 | Michał | Stepaniuk | University of Warsaw | Beta decay of neutron rich bromine isotopes studied by means of Modular Total Absorption Spectr | spectroscopy |
| 93 | 593 | Rashmi | Umashankar | University of British Columbia/TRIUM | β-decay of 68Mn: Probing the N=40 island of inversion | spectroscopy |
| 94 | 296 | Réka | Szilvási | Budapest University of Technology a | Complex-energy based description of alpha-tunneling in intense laser fields | theory |
| 95 | 315 | Mitko | Gaidarov | Institute for Nuclear Research and N | Microscopic study of nuclear monopole excitations | theory |
| 96 | 337 | Shuichiro | Ebata | Graduate School of Science and Engi | Charge polarization on the fission fragments from U-236 calculated with a time-dependent mean-fi | theory |
| 97 | 346 | Pedro | Punta de la Herrán | Universidad de Sevilla | Deformed two-body models for exotic nuclei applied to transfer reactions | theory |
| 98 | 388 | Moemi | Matsumoto | Tohoku University | Visualization of nuclear many-body correlations in microscopic wave functions | theory |
| 99 | 455 | Adrian | Sanchez Fernandez | University of York | Two-centre self-consistent approach to fission with arbitrary distance, deformations and orientatio | theory |
| 100 | 468 | Herlik | Wibowo | University of York | Systematic nuclear-DFT calculations of electromagnetic moments of $\pi7/2^{+}$ and $\nu11/2^{-} | theory |
| 101 | 469 | Martin | Ivanov | Institute for Nuclear Research and N | Charge-current and neutral-current quasielastic (anti)neutrino scattering on $^{12}$C and $^{40}$A | theory |
| 102 | 488 | Xuwei | Sun | University of York | Nuclear collective inertia in the adiabatic time-dependent Hartree-Fock-Bogoliubov method | theory |
| 103 | 498 | Jose Luis | Rodriguez Sanchez | University of Coruña | Study of medium-mass and heavy hypernuclei produced through spallation and fission reactions in | theory |
| 104 | 539 | Yusuke | Tanimura | Tohoku University | $\Xi$ hypernuclei $^{15}_{\Xi}$C and $^{12}_{\Xi}$Be, and the $\Xi N$ two-body interaction | theory |
| 105 | 545 | Himanshu Kuma | Singh | Indian Institute of Technology Bomb | Investigation of axial shape in $^{130}$La through lifetime measurements | theory |