

Publications & Presentations

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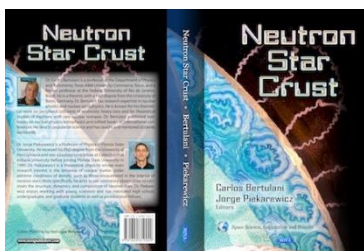
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382. $^7\text{Be}(p, \gamma)^8\text{B}$ revisited, C.A. Bertulani, Int. Workshop on the Extremes of Nuclear Structure, Hirschegg, Austria, 1996, eds. H. Feldmeier, J. Knoll and W. Norenberg. (8 pages)
383. Coulomb Excitation of Unstable Nuclei, C.A. Bertulani, Proc. of the Int. Conf. on Exotic Nuclei and Atomic Masses, Arles, France, 1995, Ed. By M. De Saint Simon and O. Sorlin, Editions Frontieres. (10 pages)
384. Fusion, Inelastic Scattering, and Momentum Distributions, C.A. Bertulani, Proc. of the Third Int. Conference on Radioactive Nuclear Beams, 24-27 May 1993, East Lansing, Editions Frontieres, Eds. D.J. Morrissey, 1994. (8 pages)
385. Heavy Ion Excitation of Giant Resonances, C.A. Bertulani, Proc. Int. Workshop on Nuclear Dynamics, Jackson Hole, USA, January 1992, Edited by W. Bauer and B. Beck (World Scientific, Singapore, 1992). (8 pages)
386. Elastic and Inelastic Scattering of Unstable Nuclei, C.A. Bertulani, Proc. Int. Symp. on Structure and Reactions of Unstable Nuclei, Niigata, Japan, 1991, edited by K. Ikeda and T. Suzuki (World Scientific, Singapore, 1992). (8 pages)
387. Electromagnetic Processes in Relativistic Heavy Ion Collisions, C.A. Bertulani, Proc. Int. Conference on Nuclear Reaction Mechanisms, Calcutta, India, January, 1989, World Scientific, ed. by S. Mukherjee. (10 pages)
388. Breakup Reactions and Nuclear Astrophysics, C.A. Bertulani, XI Reunion de Trabajo en Fisica Nuclear, Buenos Aires, 23- 26 august 1988, eds. M.C. Cambiaggio and G. Marti, p. 275. (12 pages)
389. Peripheral Collisions with Relativistic Heavy Ions, Proc. Int. Nuclear Physics Conf., Harrogate, UK, 1986, Publ. Institute of Physics, Bristol, 1986. (4 pages).
390. Electromagnetic Excitation Processes in Relativistic Heavy Ion Collisions, G. Baur and C.A. Bertulani, Proceedings of the Int. School of Heavy Ion Physics, Erice, Italy, October 1986, Plenum Press, ed. by R.A. Broglia and G. F. Bertsch, p. 331. (6 pages)
391. Coulomb Break-up as a Source of Information on Radiative Capture Processes of Astrophysical Interest, G. Baur, C.A. Bertulani and H. Rebel, Int. Symposium on Weak and Electromagnetic Interactions in Nuclei, Heidelberg, West Germany, 1986, Springer Verlag, ed. by V. Klapdor. (4 pages)
392. Relativistic Coulomb Excitation, Int. Workshop on the Physics of Relativistic Heavy Ions, Hirschegg, Austria, 1986, eds. J. Knoll, W. Noerenberg, H. Feldmeier. (8 pages)

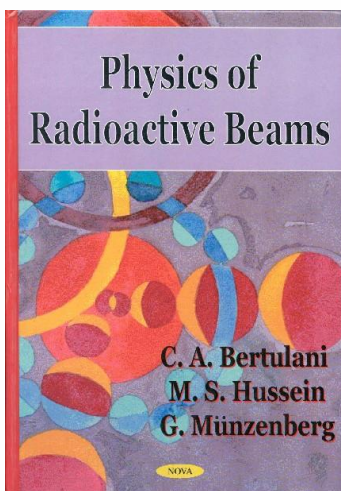
Textbooks



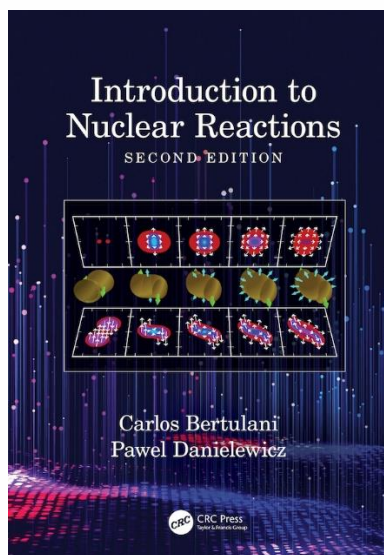
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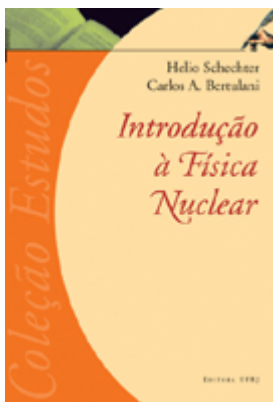
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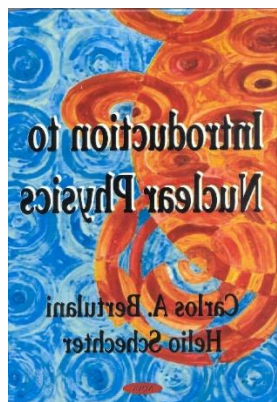
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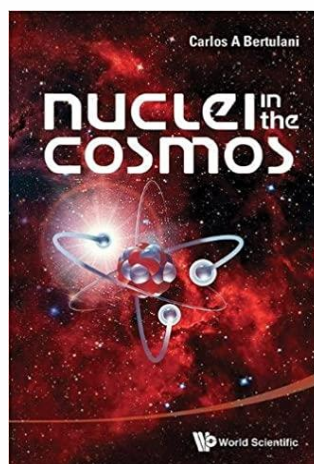
"Introduction to Nuclear Reactions", C.A. Bertulani and P. Danielewicz, [Second Edition](#), [CRC Press](#), London, 2021. ISBN: 9780367353629. ([list of contents](#))



"[Introducao a Fisica Nuclear](#)" (in Portuguese), **H. Schechter and C.A. Bertulani**, [Editora UFRJ](#), Rio de Janeiro, Brazil, 2007, ISBN: 978-85-7108-288-5

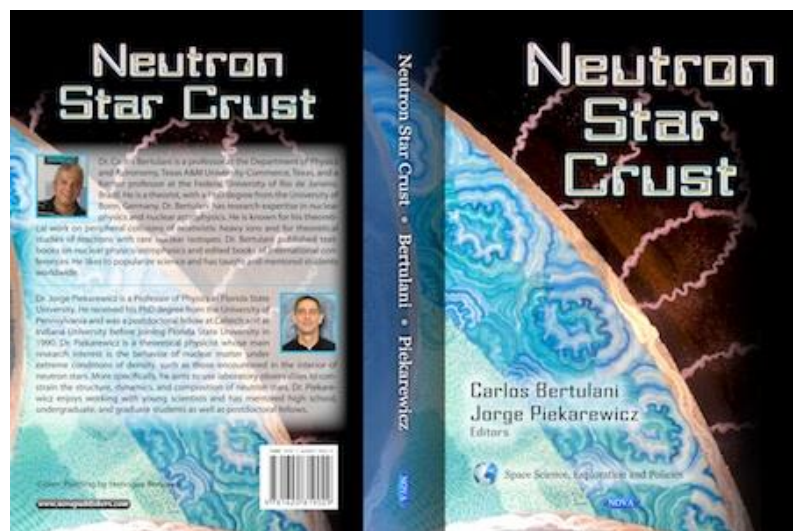


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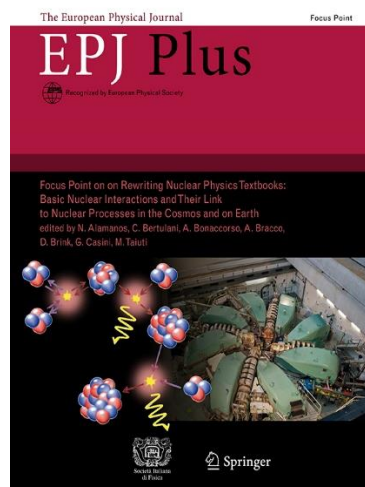
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Books Edited

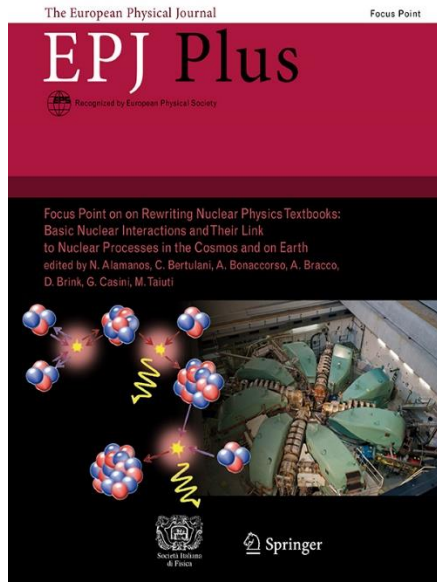


25

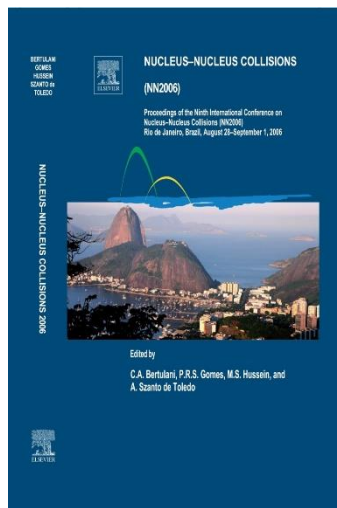
1 - “[*Neutron Star Crust*](#)”, C.A. Bertulani and J. Piekarewicz, editors,, [Nova Science](#), Hauppauge, NY, 2012, ISBN: 978-1-62081-902-9.



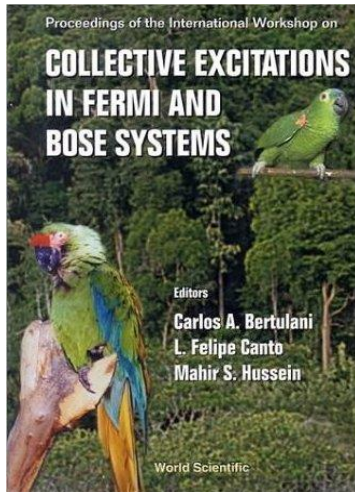
2 - [Rewriting Nuclear Physics textbooks: Basic nuclear interactions and their link to nuclear processes in the Cosmos and on Earth](#), Nicolas Alamanos, Carlos Bertulani, Angela Bonaccorso, Angela Bracco, David M. Brink, Giovanni Casini & Mauro Taiuti, EPJ+, Springer 2019. [List of Contents](#).



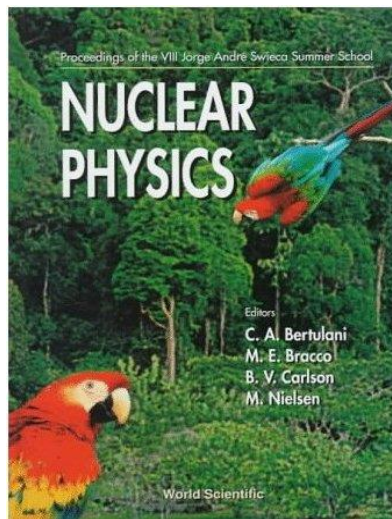
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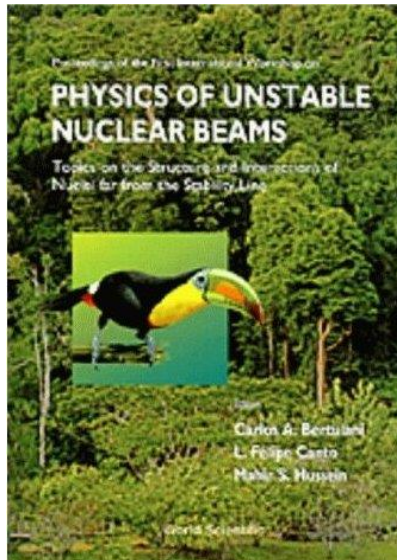
4 - *Int. Conference on Nucleus-Nucleus Collisions*, ed. C.A. Bertulani, M.S. Hussein, P.R.S. Gomes and A. Szanto de Toledo, Copacabana, Rio de Janeiro, Brazil, August 28-September 1, 2006. Special volume of Nuclear Physics A, [Elsevier](#), 2007.



5 - *Int. Workshop on Collective Excitations in Fermi and Bose Systems*, Serra Negra, Brazil, 1998, ed. C.A. Bertulani, L.F. Canto and M.S. Hussein, [World Scientific](#), Singapore



6 - *VIII J.A. Swieca Summer School: Nuclear Physics*, Campos do Jordão, Brazil, 1997, ed. C.A. Bertulani, M. Bracco, B. Carlson and M. Nielsen, [World Scientific](#), Singapore



7 - *Int. Workshop on Physics of Unstable Nuclear Beams*, Serra Negra, Brazil, 1996, ed. C.A. Bertulani, L.F. Canto and M.S. Hussein, [World Scientific](#), Singapore

8 - *V J.A. Swieca Summer School: Nuclear Physics*, Campos do Jordão, Brazil, 1991, ed. C.A. Bertulani, CNEN Publishing, Rio de Janeiro

9 - *Theoretical Physics Meeting of Rio de Janeiro - In Memory of Prof. Carlos Marcio do Amaral*, UFRJ, Rio de Janeiro, C. A. Bertulani and J. Lopes Filho, eds., [Editora da UFRJ](#) (1990).

Seminars & Colloquia

2023

370. Probing photonuclear reactions with heavy ions

44th Symposium on Nuclear Physics, Cocoyoc, Morelos, Mexico, January 9-12, 2023

371. Probing photonuclear reactions with heavy ions

International Symposium on Physics of Unstable Nuclei 2023 (ISPUN23), Phu Quoc Island, Vietnam, May 4-8, 2023

372. Electron screening of nuclear reactions

Workshop on Atomic and Nuclear Quantum Effects Near Threshold, Edinburgh, 1 May - 2 June, 2023

373. Electron screening of nuclear reactions, Carpathian Summer School of Physics, Sinaia, Romania, July 2-15, 2023

374. Probing photonuclear reactions with heavy ions, Carpathian Summer School of Physics, Sinaia, Romania, July 2-15, 2023

375. Primordial nucleosynthesis: an overview, International Symposium on Nuclear Astrophysics, Manipal, India, October 30 – November 3, 2023

2022

362. Neutron tunneling in neutron stars, magnetars and neutron star mergers

American Physical Society, New York, April 10, 2022.

363. Primordial Nucleosynthesis

The 11th European Summer School on Experimental Nuclear Astrophysics, Catania, Sicily, June 14, 2022.

364. Primordial Nucleosynthesis: Primordial Abundances Evaluation

The 11th European Summer School on Experimental Nuclear Astrophysics, Catania, Sicily, June 14, 2022.

365. Summary Talk and Concluding Remarks

The 11th European Summer School on Experimental Nuclear Astrophysics, Catania, Sicily, June 18, 2022.

366. Neutron skins and stars

ECT* Nuclear Physics at the edge of stability, Trento, July 6, 2022

367. Probing photonuclear reactions with heavy ions

Frontiers in Nuclear and Hadronic Physics, Gordon Research Conference, Holderness College, USA, August 9, 2022.

368. Probing photonuclear reactions with heavy ions

TUNL, Duke University, Department of Physics, USA, October 13, 2022

369. Probing photonuclear reactions with heavy ions

Fudan University, China, November 28, 2022 (online)

2021

348. Fragmentation Reactions and Neutron Stars (online)

Instituto de Fisica, Universidad de los Andes, Colombia, March 17, 2021.

349. Pygmy resonances and neutron skins (online)

Instituto de Fisica, Universidade Federal Fluminense, Brazil, March 9, 2021.

350. Indirect methods in nuclear astrophysics (online)
ChETEC-INFRA - Schools on Nuclear Astrophysics Questions (SNAQs), Europe, May 12, 2021.
351. Indirect methods in nuclear astrophysics (online)
IBS Center for Exotic Nuclear Studies (CENS), Korea, May 26, 2021
352. Neutron tunneling in neutron stars, magnetars and neutron star mergers (online)
Workshop Probing Nuclear Physics with Neutron Star Mergers, ECT*, Trento, Italy, July 15, 2021
353. Indirect methods in nuclear astrophysics I
Carpathian Summer School of Physics Aug. 22, 2021, Sinaia, Romania
354. Indirect methods in nuclear astrophysics II
Carpathian Summer School of Physics Aug. 23, 2021, Sinaia, Romania
355. Nuclear Reactions I (online)
African Nuclear Physics School (ANPS), iThemba labs, November 8, 2021
356. Nuclear Reactions II
African Nuclear Physics School (ANPS), iThemba labs, November 8, 2021
357. Nuclear Reactions III
African Nuclear Physics School (ANPS), iThemba labs, November 8, 2021
358. Neutron tunneling: A new mechanism to power explosive phenomena in neutron stars, magnetars, and neutron star mergers (online)
XLIV Brazilian Workshop on Nuclear Physics 2021, November 9, 2021
359. Nuclear Reactions IV (online)
African Nuclear Physics School (ANPS), iThemba labs, November 11, 2021
360. Nuclear Reactions V
African Nuclear Physics School (ANPS), iThemba labs, November 11, 2021
361. Nuclear Reactions VI
African Nuclear Physics School (ANPS), iThemba labs, November 11, 2021

2020

343. Neutron Skins and Neutron Stars
Yukawa Institute for Theoretical Physics, Kyoto, Japan, January 8, 2020.
344. Exotic Atoms with UPC (online)
EF07 and EF06 meeting: UPC physics with ion beams, FERMILAB, Chicago, October 13, 2020.
345. The Vector Meson Content of the Electromagnetic Field of a Relativistic Charge (online)
Fall Meeting of the APS Division of Nuclear Physics, November 1, 2020.
346. Big Bang Nucleosynthesis as a probe of new physics (online)
University of Los Andes, Bogota, Colombia, November 30, 2020.
347. Neutron stars, neutron skins and pygmy resonances (online)
10th International Workshop "Tastes of Nuclear Physics", University of Western Cape, South Africa, December 4, 2020.

2019

331. Pygmy Resonances and Neutron Skins
Department of Physics, Niigata University, Niigata, Japan, January 11, 2019.
332. Mari's polarization in neutron rich nuclei
Physics Institute, University of Sao Paulo, March 19, 2019.
333. Pygmy resonances in neutron rich nuclei

- 1st RAON Users Workshop, Daejeon, Korea, April 4, 2019.
334. Meson production in ultra-peripheral heavy ion collisions
8th Workshop of the APS Topical Group on Hadronic Physics, 10-12 April 2019, Denver, CO.
335. From neutron skins to neutron stars
Nuclear Physics Institute of the Czech Academy of Sciences, Prague, May 29, 2019.
336. Pygmy resonances and neutron skins
Institut fuer Kernphysik, Technische Universitaet Darmstadt, June 13, 2019.
337. The equation of state of neutron stars
10th European Summer School on Experimental Nuclear Astrophysics, Catania, Sicily, June 19, 2019
338. The Aumann-Harakeh Conundrums
African Nuclear Physics Conference 2019, Kruger Park, South Africa, July 3, 2019.
339. Neutron skins and symmetry energy
Workshop on Challenges in Direct Nuclear Reactions, Beijing, China, August 19, 2019.
340. Neutron stars and neutron skins
Seminar: Physics Department, University of Arizona, Tucson, November 14, 2019.
341. Big bang nucleosynthesis as a probe of new physics
Colloquium: Physics Department, University of Arizona, Tucson, November 15, 2019.
342. The lithium problem
Physics department, University of Kansas, Lawrence, MO, November 15, 2019.
- 2018**
310. Big Bang Nucleosynthesis with a Non-Maxwellian velocity distribution
Physics Department, Peking University, Beijing, China, January 4, 2018.
311. Tsallis Statistics and Primordial Nucleosynthesis
Physics Department, Southwestern University, Nanjing, China, January 11, 2018.
312. Cosmological Lithium Problems
Physics and Astronomy Department, Texas A&M University, College Station, USA, January 22, 2018.
313. Big Bang Nucleosynthesis and the Cosmological Lithium Problem
Graduate Program on Physics for the Universe, University of Sendai, Tohoku, Japan, February 23, 2018.
314. Electromagnetic probes of Unstable Nuclei
ELPH Laboratory, Sendai, Japan, February 20, 2018.
315. Maris Polarization in Neutron Rich Nuclei
Instituto de Fisica, University of Sao Paulo, Brazil, March 14, 2018.
316. Neutron stars, neutron skins, and fragmentation reactions
R3B collaboration meeting, Dubrovnik, Croatia, May 16, 2018.
317. Cosmological lithium problems
New Frontiers in Nuclear Physics and Astrophysics Workshop, Akdeniz University, Antalya, Turkey, March 28, 2018.
318. Assessing the foundation of the Trojan horse method
Direct Reactions with Exotic Beams Workshop, Matsue, Japan, June 6, 2018.
319. Cosmological lithium problems
Carpathian Summer school of physics, Sinaia, Romania, July 10, 2018.
320. Pigmy resonances, neutron skins and neutron stars

Probing exotic structure of short-lived nuclei by electron scattering Workshop, ECT*, Trento, Italy, July 17, 2018.

321. Quasi-free (p,2p) scattering

EMMI Rapid Reaction Task Force: Direct reactions and nuclear structure, Lichtenberghaus, Darmstadt, Germany, August 1, 2018.

322. Neutron skins and neutron stars

XLI Brazilian Meeting on Nuclear Physics, Maresias, Sao Paulo, Brazil, September 3, 2018.

323. Big bang nucleosynthesis as a probe of new physics

INCT Workshop, Sao Paulo, Brazil September 4, 2018.

324. The Lithium Problem

Department of Physics, Univ. Texas at Arlington, September 12, 2018.

325. Challenges for Nuclear Reaction Theories

GANIL Community Meeting, Caen, France, October 8-12, 2018.

326. Pygmy Resonances, Neutron Skins and Neutron Stars

Department of Physics and Astronomy, University of Notre Dame, South Bend, October 24, 2018.

327. Big Bang Nucleosynthesis as a probe of new physics

College of Science, Midwestern State University, Wichita Falls, Texas, October 26, 2018.

328. Challenges in Nuclear Reaction Theory

International Workshop on “Physics at HIAF High-Energy Beam Lines”, Beihang University, Beijing,

December 13-15, 2018.

329. Pygmy Resonances, Neutron Skins and Neutron Stars

International Workshop on “Proton and Neutron Densities and Radii in Nuclei and Related Topics”

Beihang University, Beijing, December 16-18, 2018.

330. Challenges in Nuclear Reaction Theory

Department of Technical Physics, Peking University, Beijing, December 19, 2018.

2017

293. Probing QCD in Photon-Nucleus Interactions at RHIC and LHC: the Path to EIC - [Summary Talk](#)

Institute of Nuclear Physics, University of Washington, Seattle, February 17, 2017.

294. Nuclear Physics in the Cosmos

Texas Astronomical Society, University of Texas at Dallas, February 24, 2017.

295. Nuclear Reactions in Stars I

VECC, Kolkata, India, March 6, 2017.

296. Nuclear Reactions in Stars II

VECC, Kolkata, India, March 7, 2017.

297. Nuclear Reactions in Stars III

VECC, Kolkata, India, March 8, 2017.

298. Nuclear Reactions in Stars IV

VECC, Kolkata, India, March 9, 2017.

299. Nuclear Reactions with Radioactive Beams

Saha Institute of Nuclear Physics, Kolkata, India, March 8, 2017

300. Frontiers in Nuclear Astrophysics

India Institute of Technology, Roorkee, India, March 10, 2017.

301. Pigmy resonances, symmetry energy and neutron stars

5th International Workshop the Nucleus-Nucleus Interaction and Reactions With Exotic Nuclei, dedicated to the Memory of Paulo R. S. Gomes, Institute of Advanced Studies, University of Sao Paulo, Brazil, April 10-13, 2017.

302. Non-extensive statistics solution of the cosmological lithium problem

Institute of Physics, University of Sao Paulo, Brazil, May 16, 2017.

303. Chemical Evolution in the Universe

Institute of Theoretical Physics (IFT), Sao Paulo, Brazil, May 17, 2017.

304. Clustering of light nuclei and electron screening in astrophysical environments

The 8th Nuclear Physics in Astrophysics International conference, LNS, Catania, Italy, June 22, 2017.

305. The Cosmological Lithium Problem Revisited

Department of Physics, University of Pisa, Italy, June 15, 2017.

306. Advances in quasi-free scattering reaction theory

3rd Int. Workshop on Quasi-Free Scattering with Radioactive-Ion Beams, York, England, July 24, 2017

307. What is wrong with Lithium?

XL Brazilian Meeting on Nuclear Physics, September 03-07, 2017, Campos do Jordao, SP, Brazil.

308. Non-extensive statistics solution of the cosmological lithium problem

Department of Physics, University of Texas El Paso, Texas, November 10, 2017.

309. Quasi-Free Scattering with Radioactive Beams

Texas A&M Cyclotron Institute 50th Anniversary, College Station, Texas, November 16, 2017.

2016

280. The Quest for the Origins of the Elements

University of Texas at Dallas, January 27, 2016.

281. The Neutron Within the Deuteron and Deuteron Induced Reactions

4th International Workshop "the Structure and Reactions of Exotic Nuclei, IEA, University of Sao Paulo, Brazil, March 22, 2016.

282. The Quest for the Origins of the Elements

4th International Workshop "the Structure and Reactions of Exotic Nuclei, IEA, University of Sao Paulo, Brazil, March 24, 2016.

283. Dynamical Coupling of Pygmy and Giant Resonances

6th International Symposium on Nuclear Symmetry Energy (NuSYM16), June 13-17, 2016, Tsinghua University, Beijing, China.

284. Searching for pigmy resonances

Carpathian Summer School of Physics 2016, June 26 – July 9, 2016, Sinaia, Romania

285. The Quest for the Origins of the Elements I

The 1st RISP Intensive Program on "Rare Isotope Physics", Daejeon, Korea, July 12-22, 2016

286. The Quest for the Origins of the Elements II

The 1st RISP Intensive Program on "Rare Isotope Physics", Daejeon, Korea, July 12-22, 2016

287. The Quest for the Origins of the Elements III

The 1st RISP Intensive Program on "Rare Isotope Physics", Daejeon, Korea, July 12-22, 2016

288. The Quest for the Origins of the Elements IV

The 1st RISP Intensive Program on "Rare Isotope Physics", Daejeon, Korea, July 12-22, 2016

289. The Big Bang and Stellar Reaction Processes

Annual Meeting of the Brazilian Physics Society, Natal, Brazil, September 3-7, 2016.

290. New Frontiers in Nuclear Astrophysics

Physics Department, Southern Methodist University, Dallas, Texas, October 24, 2016

291. Ground state properties and response functions in DFT

Tsukuba-CCS-RIKEN International workshop - Tsukuba – December 15, 2016

292. Quasi-free reactions with unstable nuclei

PKU Lecture on Nuclear Sciences, Series #306, December 20, 2016, Peking University

2015

265. Quasi-free proton scattering off stable and exotic nuclei

International Workshop on the Structure and Reactions of Light Exotic Nuclei, Yukawa Institute for Theoretical Physics, Kyoto University, Japan, January 7, 2015.

266. Indirect methods in nuclear astrophysics

Department of Physics, University of Tennessee, Knoxville, April 6, 2015.

267. Quasi-free proton scattering off stable and exotic nuclei

The Joint Institute for Heavy Ion Research (JHIR) Oak Ridge National Laboratory, April 7, 2015.

268. Indirect methods in nuclear astrophysics

Plenary talk at the April meeting of the APS, Baltimore, MD, April 13, 2015.

269. Nuclear astrophysics with indirect methods

Plenary talk at the International Workshop on Nuclear Physics in Astrophysics VII, York, England, May 19, 2015.

270. Tunneling of Atoms, Nuclei and Molecules

Invited Talk at the CRC634 meeting, Darmstadt, Germany, June 8, 2015.

271. Tunneling of Atoms, Nuclei and Molecules

Colloquium. Physics Institute, Federal Fluminense University, Rio de Janeiro, Brazil, August 4, 2015.

272. One and Two-Photon Physics at the Large Hadron Collider at CERN

Physics Institute, University of Sao Paulo, Sao Paulo, Brazil, August 13, 2015.

273. One and Two-Photon Physics at the Large Hadron Collider at CERN

Colloquium. Physics Department, Centro Tecnológico da Aeronautica, Sao Jose dos Campos, Brazil, August 19, 2015.

274. Indirect Methods in Nuclear Astrophysics - I

8th European Summer School on Experimental Nuclear Astrophysics, Santa Tecla, Sicily, Italy, September 13-20, 2015.

275. Indirect Methods in Nuclear Astrophysics - II

8th European Summer School on Experimental Nuclear Astrophysics, Santa Tecla, Sicily, Italy, September 13-20, 2015.

276. Selected Topics in Nuclear Reactions, The 11th Latin American Symposium on Nuclear Physics and Applications, Medellin, Colombia, November 30 - December 4, 2015.

277. The Electron Screening Puzzle and Nuclear Clustering, SINAP-CUSTIPEN Workshop on Clusters and Correlations in Nuclei, Nuclear Reactions and Neutron Stars, Shanghai, China, December 14-18, 2015.

278. The Lithium Problem in Big Bang Nucleosynthesis, Physics Department, University of Beihang, Beijing, China, December 21, 2015.

279. Heavy Ion Charge Exchange Reactions, School of Engineering, Beihang University, Beijing, China, December 22, 2015.

2014

244. Nuclear Astrophysics with Radioactive Beams, Lecture 1

IBS-RISP, Daejeon, Korea, January 7, 2014.

245. Nuclear Astrophysics with Radioactive Beams, Lecture 2

IBS-RISP, Daejeon, Korea, January 7, 2014.

246. Nuclear Astrophysics with Radioactive Beams, Lecture 3

IBS-RISP, Daejeon, Korea, January 8, 2014.

247. Nuclear Astrophysics with Radioactive Beams, Lecture 4

IBS-RISP, Daejeon, Korea, January 8, 2014.

248. Peripheral Reactions as a Probe of Nuclear Structure, Lecture 1

Lectures presented at the Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 3, 2014.

249. Peripheral Reactions as a Probe of Nuclear Structure, Lecture 2

Lectures presented at the Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 4, 2014.

250. Peripheral Reactions as a Probe of Nuclear Structure, Lecture 3

Lectures presented at the Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 5, 2014.

251. Peripheral Reactions as a Probe of Nuclear Structure, Lecture 4

Lectures presented at the Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 6, 2014.

252. Peripheral Reactions as a Probe of Nuclear Structure, Lecture 5

Lectures presented at the Galileo Galilei Institute for Theoretical Physics, Florence, Italy, March 7, 2014.

253. Effective Field Theory of Halo Nuclei

Workshop "Universality in Few-Body Systems", INT/UW, Seattle, March 10, 2014.

254. Nuclei in the Cosmos

The 2014 [Olan Kruse Lecture](#), Texas A&M University-Kingsville, Kingsville, Texas April 10, 2014.

255. Big Bang Nucleosynthesis, Screening, Dark Matter, and Non-extensive Statistics

II Workshop on Nuclear Astrophysics, Institute of Advanced Studies, University of Sao Paulo, April 14-16, Sao Paulo, Brazil, 2014.

256. Photon-photon and photonuclear collisions at CERN

Workshop on photon-induced collisions at the LHC, June 2-4, 2014, CERN, Geneva, Switzerland.

257. Photonuclear Reactions - I

NUBA-2014: International Nuclear Physics Summer School, Akdeniz University, Antalya, Turkey, June 23, 2014.

258. Photonuclear Reactions - II

NUBA-2014: International Nuclear Physics Summer School, Akdeniz University, Antalya, Turkey, June 24, 2014.

259. Lecture I - (p,2p) Reactions with Exotic Nuclei

Carpathian Summer School of Physics 2014, July 13 - 26, 2014, Sinaia, Romania

260. Lecture II - One and Two-Photon Physics at the LHC/CERN

Carpathian Summer School of Physics 2014, July 13 - 26, 2014, Sinaia, Romania

261. p,2p and p, pn reactions with rare isotopes

PKU-CUSTIPEN Nuclear Reaction Workshop, August 11, 2014, Peking University, Beijing, China

262. Pairing Contribution to the Nuclear Matter Incompressibility and Giant Monopole

4th international workshop on nuclear dynamics in heavy-ion reactions, August 17, 2014, Lanzhou, China

263. Reaction dynamics: applications to nuclear astrophysics and rare nuclear isotopes

Euroschool on Exotic Beams 2014, Padova, Italy, 7-13 September 2014

264. Tunneling, diffusion and dissociation of Feshbach molecules in optical lattices

International Workshop "Critical Stability 2014", Santos, Brazil, 12-17 October 2014

2013

231. What direct reactions can do for nuclear astrophysics

- 51th Bormio International Winter Meeting on Nuclear Physics, Bormio, Italy Jan. 23, 2013.
232. Implications of dark matter, electron screening and non-extensive statistics for big bang nucleosynthesis,
10th Russbach School on Nuclear Astrophysics, Russbach, Austria, March 11-16, 2013.
233. Nuclei in the Cosmos
Department of Physics, Baylor University, April 14, 2013.
234. Direct reactions for nuclear astrophysics
1st CUSTIPEN workshop, Peking University, Beijing, China, May 8, 2013.
235. Implications of dark matter, electron screening and statistics on big bang nucleosynthesis
Department of Physics, Xi'an Jiaotong University, Xi'an, China, May 14, 2013.
236. Dark matter, screening, statistics and big bang nucleosynthesis, Université Libre de Bruxelles, Bruxelles, June 1, 2013.
237. Lectures on Challenges in Nuclear Astrophysics I and II - Grand Accélérateur National d'Ions Lourds - GANIL, Caen, France, July 4, 2013.
238. Lectures on Challenges in Nuclear Astrophysics III and IV - Grand Accélérateur National d'Ions Lourds - GANIL, Caen, France, July 5, 2013.
239. Challenges in Nuclear Astrophysics - Institut de Physique Nucléaire d'Orsay - IPN - Orsay, France, July 17, 2013.
240. The Cosmic Origin of Elements - Department of Physics - University of North Texas - Denton, Texas, September 3, 2013.
241. Theoretical Aspects of QFS with Radioactive Beams, 2nd International Workshop on Quasi-Free Scattering with Radioactive-Ion Beams, Ilha Terceira, Azores, Portugal, September 16, 2013.
242. Nuclear Astrophysics with Radioactive Beams, X Latin American Symposium on Nuclear Physics and Applications, Montevideo, December 2, 2013.
243. Equation of State of Neutron Stars from Giant Monopole Resonances, 27th Texas Symposium on Relativistic Astrophysics - Dallas, TX - Dec 8-13, 2013.

2012

213. Nuclei in the Cosmos
Department of Physics, Texas Tech University, Lubbock, TX, February 23, 2012.
214. Nuclear Astrophysics with Rare Isotopes
International Russbach Workshop on Nuclear Astrophysics, Russbach, Austria, March 15, 2012.
215. Nuclear Physics in the Cosmos
Department of Physics, University of Idaho, April 16, 2012
216. Implications of non-extensive statistics for big bang nucleosynthesis
CompStar: the physics and astrophysics of compact stars, Tahiti, June 4-8, 2012.
217. Thermal properties of big bang nucleosynthesis
Workshop on New Directions in Nuclear Astrophysics, Castiglion Fiorentino, Italy, June 18-22, 2012.
218. Nuclear Astrophysics with Radioactive Beams - Lecture I
Summer School VI on Nuclear Collective Dynamics, Istanbul, Turkey, June 24-30, 2012.
219. Nuclear Astrophysics with Radioactive Beams - Lecture II
Summer School VI on Nuclear Collective Dynamics, Istanbul, Turkey, June 24-30, 2012.
220. Nuclear Astrophysics with Radioactive Beams - Lecture III
Summer School VI on Nuclear Collective Dynamics, Istanbul, Turkey, June 24-30, 2012.

221. Thermal properties of big bang nucleosynthesis
Carpathian Summer School of Physics, Exotic Nuclei and Nuclear/Particle Astrophysics (IV) - From Nuclei to Stars, Sinaia, Romania, June 24 - July 7, 2012.
222. Quasi-free reactions with radioactive beams
R3B Collaboration meeting, Koenigstein, Germany, July 16-20, 2012.
223. BBN and stellar nucleosynthesis: what direct reactions can do for it?
Zakopane Conference on Nuclear Physics, Zakopane, Poland, August 26 - September 1, 2012
224. Frontiers of Nuclear Astrophysics - Lecture I
Escuela Andina "Física Nuclear en el siglo 21", Universidad de Los Andes, Bogota, Colombia, November 26, 2012
225. Frontiers of Nuclear Astrophysics - Lecture II
Escuela Andina "Física Nuclear en el siglo 21", Universidad de Los Andes, Bogota, Colombia, November 27, 2012
226. Frontiers of Nuclear Astrophysics - Lecture III
Escuela Andina "Física Nuclear en el siglo 21", Universidad de Los Andes, Bogota, Colombia, November 28, 2012
227. Frontiers of Nuclear Astrophysics - Lecture IV
Escuela Andina "Física Nuclear en el siglo 21", Universidad de Los Andes, Bogota, Colombia, November 29, 2012
228. Frontiers of Nuclear Astrophysics - Lecture V
Escuela Andina "Física Nuclear en el siglo 21", Universidad de Los Andes, Bogota, Colombia, November 30, 2012
229. New Frontiers in Nuclear Astrophysics I
1st SA-USA AstroNuclear Physics Meeting on Nuclear Physics, iThemba labs, Cape Town, South Africa, December 12, 2012
230. New Frontiers in Nuclear Astrophysics II
1st SA-USA AstroNuclear Physics Meeting on Nuclear Physics, iThemba labs, Cape Town, South Africa, December 13, 2012
- 2011**
201. Reaction theory for neutron-deficient nuclei
EURISOL topical meeting, Valencia, Spain, February 22, 2011.
202. Nuclear physics in the cosmos
Department of Physics, University of Texas at Arlington, March 4, 2011.
203. Spectroscopic information from reactions with unstable nuclei
International Conference on "Nuclear Physics in Astrophysics V", Eilat, Israel, April 5, 2011.
204. Summary talk - Fusion11
5th international Conference FUSION11, Saint-Malo, France, May 2nd – 6th, 2011.
205. Reaction theory for radioactive beams - I
International Workshop on Nuclear Physics, NITheP, Stellenbosch, South Africa, May 20, 2011.
206. Reaction theory for radioactive beams - II
International Workshop on Nuclear Physics, NITheP, Stellenbosch, South Africa, May 22, 2011.
207. Nuclear physics in the cosmos
Meeting of the Brazilian Physical Society, Iguassu Falls, Brazil, June 9, 2011.
208. How robust is big bang nucleosynthesis?
Laboratori Nazionali del Sud, Catania, Italy, August 2, 2011.

209. Reactions at Intermediate Energies

7th ANL/INT/JINA/MSU Annual FRIB Workshop, INT, University of Washington, Seattle, August 17, 2011.

210. Coulomb dissociation method for nuclear astrophysics I

6th European Summer School on Experimental Nuclear Astrophysics, Sep 22, 2011, Sicily, Italy

211. Coulomb dissociation method for nuclear astrophysics II

6th European Summer School on Experimental Nuclear Astrophysics, Sep 22, 2011, Sicily, Italy

212. Direct reactions with rare isotopes

YIPQS Long-term workshop, Dynamics and Correlations in Exotic Nuclei (DCEN2011), 20th September - 28th October 2011, Yukawa Institute for Theoretical Physics, Kyoto, Japan

2010

190. Stellar Riddles

Physics Department, Brookhaven National Laboratory, Long Island, NY, February 19, 2010.

191. (p,2p) reactions with exotic nuclei

Gesellschaft fuer Schwerionenforschung, Darmstadt, Germany, June 24, 2010.

192. Challenges in nuclear astrophysics

Carpathian Summer School of Physics, Sinaia, Romania, June 29, 2010.

193. New directions in Nuclear Astrophysics

Department of Physics and Astronomy, Ghent University, Belgium, July 7, 2010.

194. Reaction Theory for Nuclear Astrophysics

PanAmerican Advanced Studies Institute (PASI), Joao Pessoa, August 1-13, Brazil.

195. Reactions with rare isotopes and nuclear astrophysics

Department of Physics, University of Texas at San Antonio, Texas, October 8, 2010.

196. The nucleus-nucleus interaction between boosted nuclei

The RIKEN-Nishina Center for Accelerator-based Science, Wako-shi, Japan, November 8, 2010.

197. Spectroscopic information from reactions with unstable nuclei

Symposium on "Cutting-Edge Physics of Unstable Nuclei", University of Aizu, Aizu-Wakamatsu, Japan, November 13, 2010.

198. Challenges in nuclear astrophysics

Physics Department, University of Texas at El Paso, Texas, December 2, 2010.

199. Challenges in nuclear astrophysics

Physics Department, New Mexico State University, Las Cruces, December 3, 2010.

200. Reaction theory for rare isotopes

Halo 2010 Symposium, Shonan Village, Hayama, Japan, December 7, 2010.

2009

174. Tunneling of composite objects

Physics Department, Kyushu University, Fukuoka, Japan, February 19, 2009.

175. Even-odd mass staggering, C.A. Bertulani, University of Kyushu, Fukuoka, Japan, February 18, 2009.

176. Stellar Reactions on Earth

School of Science, Kyushu University, Fukuoka, Japan, February 20, 2009.

177. Light Nuclei in Stars

Department of Physics, Jiao Tong University, Shanghai, China, March 16, 2009.

178. Stellar Reactions on Earth

Department of Physics, University of Lanzhou, Lanzhou, China, March 19, 2009.

179. Challenges in Nuclear Astrophysics

Institute of Modern Physics, Lanzhou, China, March 20, 2009.

180. Solar Fusion Reactions

Department of Physics, Texas A&M University-Commerce, March 26, 2009.

181. Nuclear Astrophysics with Indirect Methods

10th International Conference on Nucleus-Nucleus Collisions, Beijing, China, September 16-21, 2009.

182. Coulomb Excitation

Center for Nuclear Studies, RIKEN, Wako-shi, Japan, August 26, 2009.

183. Relativistic Coulomb Excitation

Physics Department, The University of Tokyo, Tokyo, Japan, August 27, 2009.

184. The Coulomb Dissociation Method

Center for Nuclear Studies, RIKEN, Wako-shi, Japan, 29, 2009.

185. Coulomb Excitation of Pigmy Resonances

Center for Nuclear Studies, RIKEN, Wako-shi, Japan, 31, 2009.

186. Coulomb Excitation for Nuclear Astrophysics

5th European Summer School on Experimental Nuclear Astrophysics, Sep. 20- 27, 2009, Santa Tecla, Sicily, Italy.

187. Odd-even mass staggering

Workshop on "Ab initio calculations and nuclear forces", J Vary and T. Otsuka, organisers, APS/JPS meeting, Hawaii, October 12, 2009.

188. The continuum-discretized coupled-channels method applied to exotic nuclei

3rd Joint Meeting of the Nuclear Divisions of the American Physical Society and Japanese Physical Society, October 13, 2009.

189. Odd-even Mass Staggering & Relativistic Eikonal-CDCC

Workshop of the Japan-US Theory Institute for Physics of Exotic Nuclei, Center for Nuclear Studies, RIKEN, Wako-shi, Japan, December 7-9, 2009.

2008

160. Direct Reactions in/for Nuclear Astrophysics

International Conference on Nuclear Astrophysics, Cocoyoc, Mexico, January 8, 2008.

161. Odd-even staggering effect in nuclei

JUSTIPEN/LACAM International conference, Oak Ridge National Laboratory, January 25, 2008.

162. Taming the Pairing Interaction in Nuclei

Int. Conf. on Path Integrals – New Trends and Perspectives, Max Planck Institute for Complex Systems, Dresden, Germany, March 5-8, 2008.

163. Short-range correlations in p-A and A-A scattering

Quasi-free Scattering Workshop, ECT* Trento, Italy, April 7 –11, 2008.

164. Tunneling of Composite Objects

NSCL, Michigan State University, East Lansing, April 22, 2008.

165. Even-odd mass Staggering with Density Dependent Pairing

Physics Department, Aizu-Wakamatsu University, Japan, May 29, 2008.

166. Stellar Reactions on Earth

RCNP, Osaka, Japan, June 6, 2008

167. Pairing and Odd-Even Mass Staggering

Nishina Center, RIKEN, Wako-shi, Japan, June 9, 2008.

168. Stellar Conundrum

Yukawa Institute, Kyoto, Japan, June 17, 2008.

169. Even-odd mass Staggering with Density Dependent Pairing

Physics Department, University of Tsukuba, Japan, June 26, 2008.

170. Dissociation of Relativistic Projectiles with the Continuum-Discretized Coupled-Channels Method

Fall Meeting of the American Physical Society, Oakland, October 23, 2008.

171. Dissociation of Relativistic Projectiles with the Continuum-Discretized Coupled-Channels Method

Workshop on Unbound Nuclei, INFN, Sez. di Pisa, Pisa, Italy 3-5 November 2008.

172. Stellar Conundrum

CNLS, Los Alamos National Laboratory, Los Alamos, November 17, 2008.

173. Tunneling of Composite Objects

Physics Department, University of North Texas, Denton, November 25, 2008.

2007

153. Nuclear Spectroscopy with Knockout Reactions

JUSTIPEN/LACAM Workshop, Oak Ridge National Laboratory, March 8, 2007

154. Nuclear Spectroscopy with Knockout Reactions

LNS, INFN, Catania, Italy, March 14, 2007

155. Study of Exotic Nuclei

Physics Department, University of North Texas, April 17, 2007.

156. Stellar Reactions on Earth

Physics Department, Washington University, Saint Louis, May 2, 2007

157. Knockout Reactions

Physics Department, Washington University, Saint Louis, May 3, 2007

158. Benchmark calculations of nuclear mass tables

INT, Washington University, Seattle, November 7, 2007.

159. Mission not yet accomplished

Edwards Accelerator Lab, Ohio University, Athens, Ohio, November 13, 2007.

2006

132. New directions in Nuclear Astrophysics

Physics Department, Mississippi State University, Starkville, February, 2006

133. New Directions in Nuclear Astrophysics

Physics Department, Southern Methodist University, Dallas, March 2006

134. Stellar Reactions on Earth

Physics Department, University of Texas at San Antonio, April 2006.

135. Electron Scattering off Halo Nuclei

Meeting of the American Physics Society, Dallas, April 2006.

136. Electron Scattering off Halo Nuclei

International Workshop on Nuclear Physics, University of Tunis, Tunisia, June 1, 2006.

137. Electron Scattering off Halo Nuclei

Istituto Galileo Galilei, University of Pisa, Italy, June 6, 2006.

138. Electron Scattering off Halo Nuclei

Legnaro Nuclear Physics Laboratory, Legnaro, Italy, June 8, 2006.

139. Electron Scattering off Halo Nuclei

International Workshop on Reaction Mechanisms with Exotic Nuclei, Varenna, Italy, June 12, 2006.

140. Pygmy resonances probed with electron scattering

International Workshop COMEX-2, Sankt-Goar, Germany, June 23, 2006.

141. Direct Reactions in/for Nuclear Astrophysics

IX International Conference Nuclei in the Cosmos, CERN, Geneva, Switzerland, June 28, 2006.

142. Short-range Correlations in Knockout Reactions

Gesellschaft fuer Schwerionenforshung, Darmstadt, Germany, July 12, 2006.

143. Stellar Reactions on Earth

Physics Department, University of North Texas, September 19, 2006.

144. Direct Reactions with Exotic Nuclei

Physics Department, Aizu-Wakamatsu University, Japan, October 20, 2006.

145. Stellar Reactions on Earth

Physics Department, Tohoku University, Sendai, Japan, October 24, 2006.

146. New Directions in Nuclear Astrophysics

Tokyo Institute of Technology, Tokyo, Japan, October 26, 2006.

147. New Directions in Nuclear Astrophysics

Nishina Center, RIKEN, Wako-shi, Japan, November 03, 2006

148. New Directions in Nuclear Astrophysics

Department of Physics, Tsukuba University, Japan, November 15, 2006

149. Spectroscopy of Exotic Nuclei from Knockout Reactions

Nishina Center, RIKEN, Wako-shi, Japan, November 16, 2006

150. Reaction cross sections and in-medium effects

Workshop on Reaction Cross Sections with Radioactive Nuclei, RIKEN, Wako-shi, Japan, November 17, 2006

151. Photon Physics at the Large Hadron Collider at CERN

Physics Department, University of Tennessee, Knoxville, November 27, 2006

152. New Directions in Nuclear Astrophysics

Physics Division, Oak Ridge National Laboratory, November 30, 2006

2005

126. Relativistic approach to nuclear reactions with unstable nuclei

2nd Argonne/MSU/JINA/INT RIA Workshop, Reaction Mechanisms for Rare Isotope Beams, Michigan State University, March 9-12, 2005

127. $^7\text{Be}(p, \gamma)^8\text{B}$ S-factor from ab initio wave functions

DNP Meeting of the American Physical Society, Tampa, April 17, 2005

128. Nuclear Astrophysics: Challenges and Solutions

TRIUMF, Vancouver, Canada, April 25, 2005

129. Short-Range Correlations in Two-Nucleon Knockout Reactions

Workshop on Direct Reactions with Exotic Beams, Michigan State University, East Lansing, June 2005

130. Stellar Reactions on Earth: Selected Topics

Physics Division, Los Alamos National Laboratory, Los Alamos, October 2005

131. On Reaction Matrices and Effective Field Theories

Workshop on Nuclear Structure near the Limits of Stability, INT, Seattle, October 2005

2004

- 114. Momentum Distributions in Breakup Reactions
NSCL, Michigan State University, East Lansing, USA, February 5, 2004
- 115. New directions in Nuclear (astro)Physics
LNS, INFN, Catania, Italy, February 16, 2004
- 116. Physics of Strong QED Fields in Peripheral RHIC
LNS, INFN, Catania, Italy, February 17, 2004
- 117. Momentum Distributions in Knockout Reactions
LNS, INFN, Catania, Italy, February 21, 2004
- 118. Charge-Exchange Reactions in Heavy Ion Collisions
LNS, INFN, Catania, Italy, February 23, 2004
- 119. Nuclear Astrophysics: Challenges and Solutions
Department of Physics, JINA Talk, MSU, East Lansing, April 15, 2004
- 120. Charge Exchange Reactions at High Energies Charge Energies I.
Workshop on Charge-Exchange Reactions Department of Physics, JINA Talk, MSU, East Lansing,
May 31, 2004
- 121. Charge Exchange Reactions at High Energies Charge Energies I.
Workshop on Charge-Exchange Reactions Department of Physics, JINA Talk, MSU, East Lansing,
June 4, 2004
- 122. Fusion Reactions in Stars: Challenges and Solutions
Nuclear Physics Division, Lawrence Livermore National Laboratory, August 17, 2004
- 123. Momentum Distributions and Alignment Effects in Stripping Reactions
Annual Meeting of the Nuclear Physics Division of the APS, Chicago, October 27-30, 2004
- 124. New directions in Nuclear Astrophysics
Physics Department, University of Arizona, September 24, 2004
- 125. Mission not yet accomplished: Back to QED
Physics Department, University of Arizona, Nov. 2, 2004

2003

- 108. Nuclear Astrophysics with Radioactive Nuclear Beams
19th Winter Workshop on Nuclear Dynamics, Breckenridge, Colorado, February 9 -14, 2003
- 109. Radiative Capture Reactions: Challenges and Solutions
Istituto Galileo Galilei, University of Pisa, Pisa, Italy, June 9, 2003
- 110. Radiative Capture Reactions: Challenges and Solutions
Gesellschaft fuer Schwerionenforschung, Darmstadt, Germany, June 10, 2003.
- 111. Radiative Capture Reactions: Challenges and Solutions
International Conference on Nuclear Reaction Mechanisms, Varenna, Italy, June 11, 2003.
- 112. Screening Effects in Nuclear Fusion Reactions
Halo Workshop, St. Petersburg, Russia, July 12, 2003.
- 113. Stopping Power vs. Screening Effects in Nuclear Fusion Reactions
International Conference FUSION03, Matsushima, Miyagi, Japan, November 12-15, 2003.

2002

- 102. Reactions with Unstable Nuclear Beams
Physics Division, Argonne National Laboratory, May 13, 2002
- 102. Shining light on heavy ions
Center for Nuclear Studies, The George Washington University, March 29, 2002
- 103. Reactions with Unstable Nuclear Beams

TANDAR Laboratory, Argentina, June, 2002

104. Reactions with Unstable Nuclear Beams

Physics Department, University of La Plata, Argentina, June, 2002

105. Reactions with Unstable Nuclear Beams

NSCL, Michigan State University, East Lansing, USA, August 5, 2002.

106. S- factor for ${}^7\text{Be}(p,\gamma){}^8\text{B}$ from Coulomb Breakup

Workshop on Reaction Theory for Nuclei Far from Stability, University of Washington, Seattle, September 6, 2002.

107. Fusion of Exotic Nuclei

Division of Nuclear Physics Meeting, APS, MSU, East Lansing, USA, October 2002.

2001

93. One- and Two-photon Physics with Relativistic Heavy Ions

Workshop on Nuclear Dynamics, Park City, Utah, March 10-17, 2001

94. Coherent E/M Fields in Collisions with Relativistic Heavy Ions

Physics Division, Argonne National Laboratory, May 7, 2001

95. Coherent E/M Fields in Collisions with Relativistic Heavy Ions

Lawrence Berkeley National Laboratory, Physics Division, May, 2001

96. One- and Two-Photon Physics with Relativistic Heavy Ions

Cyclotron Laboratory, Texas A&M University, College Station, USA, August 21, 2001

97. One- and Two-Photon Physics with Relativistic Heavy Ions

Institute for Nuclear Theory, University of Washington, August 2001

98. Hot Topics in Ultra-peripheral Ion Collisions

Workshop on Electromagnetic Probes of Fundamental Physics, Erice, Italy, October 17, 2001

99. Heavy Ion Excitation of Giant Resonances

Workshop on Electromagnetic Probes of Fundamental Physics, Erice, Italy, October 20, 2001

100. Shining Light on Heavy Ions

Department of Chemistry and Physics, Arkansas State University, Nov. 9, 2001

101. Ultra-peripheral Collisions of Relativistic Heavy Ions

2000

92. Peripheral Collisions of Relativistic Heavy Ions

Symp. on Fundamental Issues in Elementary Matter, In Memory of Michael Danos, Bad Honnef, Germany, 25-29 September 2000

1999

85. Isospin structure of one- and two-phonon GDR excitations

International Workshop on Double Giant Resonances, ICTP, Trento, Italy, 1999.

86. Nuclear Astrophysics with Radioactive Beams

Physics Department, University of Connecticut, Storrs, USA, 1999

87. Bremsstrahlung in Particle Tunneling

Nuclear Physics Laboratory, Yale University, New Haven, USA, November 2, 1999

88. Fermi and Gamow-Teller Strength in Charge Exchange with Radioactive Beams

International Workshop on Neutrino Astrophysics, INT, Seattle, USA, 1999

89. Ultra-peripheral Collisions of Relativistic Heavy Ions

Brookhaven National Laboratory, Physics Department, Upton, Long Island, USA, 1999.

90. Particle Production in Peripheral Heavy Ion Collisions

CTP, Massachusetts Institute of Technology, Boston, USA, 1999.

91. Nuclear Astrophysics with Radioactive Beams

Physics Department, University of Wisconsin, Madison, USA, 1999
Brookhaven National Laboratory, Physics Department, Upton, Long Island, USA, 2001.

1998

82. The Production of Anti-Atoms

Physics Institute, Federal University of Rio de Janeiro, Brazil, March, 1998.

83. The Production of Anti-Hydrogen at CERN

Physics Institute, Federal Fluminense University, Niteroi, Brazil, May, 1998.

84. Relativistic Heavy Ion Collisions without Nuclear Contact

Physics Institute, University of Sao Paulo, 1998.

1997

77. Astrophysical S-factors for the Sun and for Massive Stars

International Conference on Nuclear Structure and Related Topics, Dubna, Russia, 1997.

78. Recent Development in Nuclear Astrophysics

Nuclear Physics Laboratory, Yale University, New Haven, USA, April 24, 1997.

79. Charge Exchange in Heavy Ion Reactions

Physics Department, University of Padova, Italy, 1997.

80. Charge Exchange with Radioactive Beams

Gesellschaft fuer Schwerionenforshung, Darmstadt, Germany, 1997.

81. Astrophysical S-factors for the Sun and for Massive Stars

Johann Wolfgang Goethe-Universität, Frankfurt am Main Germany, 1997.

1996

69. $7\text{Be}(p, \gamma)8\text{B}$ revisited

International Workshop on the Extremes of Nuclear Structure, Hirschegg, Austria, 1996.

70. Neutron Removal in Peripheral Heavy Ion Collisions

Gesellschaft fuer Schwerionenforshung, Darmstadt, Germany, 1996.

71. Long Range QCD Effects in Nucleus-Nucleus Scattering

Grand-Accelerateur National D'Ions Lourds, Caen, France, 1996

72. Nuclear Astrophysics in Storage Rings

7th International Conference on Nuclear Physics at Storage Rings, Bernkastel-Kues, Germany, 1996

73. Particle Production in Peripheral Heavy Ion Collisions

Instituto de Fisica Teorica, Sao Paulo, Brazil, May, 1996.

74. Excitation of Double Giant Resonances

Physics Department, University of Aizu-Wakamatsu, Japan 1996

75. Small Effects in Astrophysical Nuclear Reactions

J.A. Swieca Summer School: Nuclear Physics, Campos do Jordão, Brazil

76. Direct Reactions with Exotic Nuclei

Physics Department, University of Tohoku, Sendai, 1996

1995

63. Coulomb Excitation of Unstable Nuclei

International Conference on Exotic Nuclei and Atomic Masses, Arles, France, 1995.

64. Nuclear Astrophysics with Radioactive Beams

Department of Physics, University of Connecticut, Storrs, Connecticut, USA 1995.

- 65. The Photodissociation of ^8B and the Solar Neutrino Problem
Physics Institute, University of Santa Catarina, Brazil, 1995.
- 66. The Photodissociation of ^8B and the Solar Neutrino Problem
Annual meeting of the Brazilian Physics Society, Division of Nuclear Physics, Sao Lourenco, Brazil, September, 1995.
- 67. Nuclear Response of Soft Dipole Modes
Workshop on Physics of Exotic Nuclei, Physics Institute, University of Sao Paulo, Brazil, 1995.
- 68. Coherent Bremsstrahlung in the Early Stage of Relativistic Heavy ion Collisions
International Workshop on Models of Hadrons, University of Sao Paulo, Brazil. 1995.

1994

- 53. Molecular Bonding Effects in the Fusion of Halo Nuclei,
Spring Meeting of the German Physical Society, Nuclear Physics Section, Muenchen, Germany, 1994 .
- 54. Coupled-Channels Calculations of Excitation of Giant Resonances
LAND/GSI Meeting, Taunus, Germany 1994.
- 55. Indirect Methods for Nuclear Astrophysics
Halo Workshop, Niels Bohr Insititute, March 1994.
- 56. Indirect Methods for the $^{12}\text{C}(\alpha, \gamma)^{16}\text{O}$ reaction
Kellog Radiation Laboratory, Caltech, Pasadena, USA, 1994.
- 57. Coulomb Dissociation of ^8B
ACS Metting, Nuclear Chemistry, San Diego, USA, 1994.
- 58. Mott Scattering as a Probe of Long Range QCD Effects
NSCL, Michigan State University, September, June 1994.
- 59. Reactions and Structure of Unstable Nuclei
Physics Institute, University of Guadalajara, Mexico, June 1994.
- 60. Preipheral Reactions with Relativistic Heavy Ions
Physics Department, Notre Dame University, June 1994.
- 61. Indirect Methods for Nuclear Astrophysics
Physik Institut, Justus Liebig Universitaet Giessen, Germany, August 1994.
- 62. The Coulomb Dissociation Method for Nuclear Astrophysics
Workshop on Indidrect Methods for Nuclear Astrophysics, Strasbourg, France, 1994.

1993

- 46. Halo Nuclei
Department of Physics, University of Michigan, Ann-Arbor, 1993
- 47. Electromagnetic Processes in Relativistic Heavy Ion Collisions
Physics Department, University of Wisconsin, La-Crosse, April, 1993.
- 48. Fusion, Inelastic Scattering, and Momentum Distributions
Third International Conference on Radioactive Nuclear Beams, 24-27 May 1993.
- 49. Soft Giant Resonance Excitation in Relativistic Heavy-Ion Collisions
Gordon Research Conference on Nuclear Chemistry, New London, June 1993.
- 50. Reactions with Exotic Nuclei
Gesellschaft fuer Schwerionenforshung, Darmstadt, Germany, October 1993.
- 51. New Methods in Nuclear Astrophysics
Workshop on Nuclear Astrophysics, GSI, Darmstadt, Germany, November 1993.
- 52. Excitation of Multiphonon Giant Resonances
Physics Department, Technical University Munich, Garching, Germany, December 1993.

1992

41. Heavy Ion Excitation of Giant Resonances

International Workshop on Nuclear Dynamics, Jackson Hole, USA, January 1992.

42. Multiphonon Giant Resonances

Theory Lunch Talk, NSCL, Michigan State University, September, 1992.

43. Elastic and Inelastic Scattering of Unstable Nuclei

Institut de Physique Nucleaire, Orsay, France, 1992.

44. Reactions with Unstable Nuclei

LPTMS, Université Paris-Sud, Orsay, France, 1992

45. Relativistic Nuclear Collisions without Nuclear Contact

Laboratoire de Physique Subatomique et des Technologies Associees, Universite de Nantes, France 1992.

46. Reactions with Unstable Nuclei

Grand-Accelerateur National D'Ions Lourds, Caen, France, 1992

1991

35. Elastic and Inelastic Scattering of Unstable Nuclei

International Symposium on Structure and Reactions of Unstable Nuclei, Niigata, Japan, 1991

36. Elastic and Inelastic Scattering of Unstable Nuclei

Cycotron Laboratory, RIKEN, Wako-shi, Japan, 1991

37. Excitation of Multiphonon Giant Dipole Resonances

Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil, 1991.

38. Multiphonon Giant Dipole Resonances

NSCL, Michigan State University, September, 1991.

39. Heavy Ion Excitation of Giant Resonances: A Bridge from the Elastic Scattering to the Inelastic Data

Workshop on Giant Resonances and Related Phenomena, University of Notre Dame, USA, 1991.

40. Reactions with Radioactive Nuclei

Physics Department, University of Wisconsin, Madison, USA, November, 1991.

1990

29. New Directions in Nuclear Physics

Physics Institute, Federal University of Rio de Janeiro, February 1990.

30. Reactions with Unstable Nuclei

Institut fuer Kernphysik, Kernforschungszentrum Juelich, Germany, February 1990.

31. Reactions with Unstable Nuclei

Johann Wolfgang Goethe-Universität, Frankfurt am Main Germany, February 1990.

32. Coulomb Dissociation of ^{11}Li

Theoretical Physics Institute, IFT, Sao Paulo, April 1990.

33. Breakup of Light Nuclei at Intermediate Energies

Physics Institute, State University of Rio de Janeiro (UERJ), 1990.

34. Reactions with Radioactive Nuclei

Annual meeting of the Brazilian Physics Society, Division of Nuclear Physics, Cacapava, Brazil, September, 1990.

1989

23. Electromagnetic Processes in Relativistic Heavy Ion Collisions

International Conference on Nuclear Reaction Mechanisms, Calcutta, India, January, 1989.

24. Nuclear Matter under Extreme Conditions

Centro Brasileiro de Pesquisas Fisicas, Rio de Janeiro, Brazil, 1989.

25. Excitation Giant Resonances in Heavy Ion Collisions

Institut fuer Kernphysik, Kernforschungszentrum Juelich, Germany, July 1989.

26. Excitation Giant Resonances in Heavy Ion Collisions

Physics Department, Technical University Munich, Garching, Germany, July 1989.

27. Multiphonon Giant Resonances

Annual meeting of the Brazilian Physics Society, Division of Nuclear Physics, Caxambu, Brazil, 1989.

28. Electromagnetic Processes in Relativistic Heavy Ion Collisions

Physics Institute, University of Sao Paulo, March 1989.

1988

19. Breakup Reactions and Nuclear Astrophysics

XI Reunion de Trabajo en Fisica Nuclear, Buenos Aires, 23- 26 august 1988.

20. Electron-Positron Pair Production in Relativistic Heavy Ion Collisions

Physics Division, Brookhaven National Laboratory, Long Island, USA, July 1988.

21. Electron-positron Pair Production in Relativistic Heavy Ion Collisions

Institut fuer Kernphysik, Kernforschungszentrum Juelich, Germany, July, 1988.

22. Excitation Giant Resonances in Heavy Ion Collisions

Annual meeting of the Brazilian Physics Society, Division of Nuclear Physics, Caxambu, Brazil, 1988.

1987

13. Electromagnetic Interactions in Relativistic Heavy Ion Collisions

Institut fuer Kernphysik, Kernforschungszentrum Juelich, Germany, 1987.

14. Coulomb Excitation in Relativistic Heavy Ion Collisions

Spring Meeting of the German Physical Society, Nuclear Physics Section, Groningen, The Netherlands, 1987.

15. Coulomb Break-up as a Source of Information on Radiative Capture Processes of Astrophysical Interest

Institut fuer Kernphysik, Universitaet Muenster, Germany, June 1987.

16. Electron-positron Pair Production in Peripheral Collisions with Heavy Ions

Universitaet Siegen, Fachbereich Physik, Germany, July 1987.

17. Electromagnetic Processes with Relativistic Heavy Ions

Physics Institute, Federal University of Rio de Janeiro, August 1987.

18. Electromagnetic Processes in Relativistic Heavy Ion Collisions

Annual meeting of the Brazilian Physics Society, Division of Nuclear Physics, Aguas de Lindoia, Brazil, 1987.

1986

6. Relativistic Coulomb Collisions

Physik Institut, Justus Liebig Universitaet Giessen, Germany, March 5, 1986.

7. Relativistic Coulomb Excitation

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8. Coulomb Break-up as a Source of Information on Radiative Capture Processes of Astrophysical Interest

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9. Peripheral Collisions with Relativistic Heavy Ions
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Physics of Radioactive Nuclear Beams

- (Lecture notes by C.A. Bertulani, first presented at GSI, Germany, 1993/1994)

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