

CV – Igor Chilingarian

Dr. Igor Chilingaryan (publishing as Chilingarian) born 1980/May/16 in Moscow, USSR
citizenship: French and Russian; *marital status:* single never married
languages: Russian (native), English (fluent), French (good), Spanish (basic)

Professional Preparation

Moscow State University (Russia)	Astronomy	MSc, honour degree, 2003
Moscow State University (Russia) and Universite de Lyon-1 (France)	Astrophysics	PhD, 2006
Observatoire de Paris (France), postdoc		2006–2009
Observatoire de Strasbourg (France), postdoc		2009–2011
Moscow State University (Russia)	Astrophysics	DSc (habilitation), 2010

Appointments

Researcher, Sternberg Astronomical Institute, Moscow State University	Apr/2006–Dec/2006
Adjunct Researcher, —//—	Dec/2006–Dec/2010
Adjunct Leading Researcher, —//—	Dec/2010–present
Astronomer, Smithsonian Astrophysical Observatory	Sep/2011–present

Invited talks at international conferences and workshops

- Multi-wavelength Astronomy and the Virtual Observatory Workshop (Villafranca del Castillo, Spain, 1-3 Dec 2008): “Virtual Observatory for Astronomers: Where Are We Now?”
- Dynamics and evolution of disc galaxies (Moscow, Russia, 31/May-04/Jun 2010): “Discs in dwarf early-type galaxies”
- European Planetary Science Congress (Rome, Italy, 20-24/Sep/2010): “Virtual Observatory powered research in astrophysics”
- Early-type Dwarf Galaxies: Origin, Evolution, Characteristics (Heidelberg, Germany, 18-20/Oct/2010): “Stellar populations of dwarf early-type galaxies”
- ADASS-XX (Boston, USA, 7-11 Nov 2010): Tutorial “Cross-identifying data resources in the VO era”
- European Week of Astronomy and Space Science (St.Petersburg, Russia, 4-8 Jul 2011): “VO powered research in extragalactic astrophysics”
- ADASS-XXII (Champaign, IL, USA, 4-8 Nov 2012): Tutorial “How the VO Gets Richer and Helps Solve Fundamental Problems of Extragalactic Astrophysics”
- ADASS-XXV (Sydney, Australia, 25-29 Oct 2015): Tutorial (joint with I.Zolotukhin) “New Tools for X-ray Astrophysics in the Epoch of Data and Software Interoperability”
- High-Energy Astrophysics 2018 (Moscow, Russia, 18-22 Dec 2018): “A population of intermediate-mass black holes identified as low-luminosity active galactic nuclei”
- 52 invited talks at scientific seminars/colloquia and 50 contributed conference talks in 2001–2020

Honors/awards

- 2003: D. Martynov award for the master thesis
- 2006: 2nd prize for the PhD thesis in physics/astronomy at Moscow State University
- 2007: Armenian Astronomical Society Annual Prize for young astronomers
- 2012: Medal for young scientists by the Russian Academy of Sciences in the field of physics/astronomy
- 2018: Smithsonian Secretary’s Research Prize

Grants/contracts

- 2002, 2003: Russian Foundation for Basic Research (RFBR) young researcher grants in IT 02-07-06096 (PI), 03-07-06116 (PI)
- 2008–2010: co-I of the joint Russian-Flemish RFBR–Flanders grant “V3D: 3D spectroscopic survey of the Virgo cluster and nearby groups” (~100 kEUR)
- 2006–2011: PI and co-I in several research projects funded by VO-France (Action Specifique de l’Observatoire Virtuel), VO-Paris Data Centre, PNG/PNCG (Programme Nationale Galaxies).
- 2009, 2012: ESO Visiting Scientist (Santiago, Chile)

- 2012–2013: PI of the President of Russia grant for young doctors of science (~\$33k per year)
- 2014–2016: co-PI of a Russian laboratory scale grant, ~\$350k per year
- 2015–2017: PI of three grants in Russia for a total amount of ~\$80k per year
- 2017–2018: PI of 2 NASA contracts allocated for Chandra DDT proposals (\$18k+\$19k)
- 2018: co-chair of the “leading scientific school in astrophysics” at Moscow State University (\$300k)
- 2019–2021: PI of the Russian Science Foundation grant (\$120k/year)

Membership on advisory committees (internal and external)

- Harvard-Smithsonian Center for Astrophysics committee on high-performance computing (2017–present)
- Russian expert corps in natural sciences, physics and astronomy (2010–present)
- Foreign expert in physics/astronomy of the Ministry of Education and Science of Armenia (2011–present)

Refereeing activities

arXiv: 1 of the 6 moderators for arXiv.astro-ph

Peer-reviewed journals: Nature, Astronomy & Astrophysics, MNRAS, ApJ, ApJS, ApJL, PASP, Journal of Physics B, Astronomy Letters, Astronomy and Computing, Baltic Astronomy

Grant proposals: National Science Foundation, USA (2016, 2017); European Research Council Advanced Grants (2018); NSERC Research Grants, Canada (2019); Russian Science Foundation (2014–2019): proposals on all scales from small groups (~\$150k/yr) to key projects in Russian astronomy (~\$15M/yr).

An examiner of a PhD thesis by C.Usher (2013, Swinburne University of Technology, Australia)

Responsibility for meetings/scientific conferences

ESA Workshop “Optical Spectroscopy and the Virtual Observatory” (Spain, Mar/2007) – SOC member

Telescope time

PI of proposals at: Calar-Alto (3.5m), Russian BTA (6m), Magellan (6.5m), MMT (6.5m), Gemini (8m) ground-based telescopes (~60 nights in total); Swift, Chandra, XMM-Newton space observatories

Educational activities

- **Sep/2003 – Jan/2004**: “Programming for Astronomers” two full 1-semester courses taught for the 1st and 2nd year undergraduates at the Moscow State University (Russia)
- **Oct/2007**: mini-course of 3 lectures and 2 hands-on demo sessions at the Virtual Observatory School (Institute of the Theoretical Physics and Astronomy, University of Vilnius, Lithuania)
- **Jun/2010**: Invited lecture and a hands-on demo session at the Astroinformatics and the Virtual Observatory summer school (University of Belgrade, Serbia)
- **Sep/2010**: Lecture at the IAU International School for Young Astronomers-2010, Yerevan, Armenia
- **Sep/2012**: Invited lecture at the GAIA/LSST Visualisation School, Seattle, USA
- **Feb/2018**: A 3-days long crash course on stellar physics and galaxy evolution for engineering students, American University of Sharjah, United Arab Emirates

I supervised 2 senior undergraduate students at MIT and Wellesley, 7 undergrad students, 4 MSc students, 2 PhD students, 1 habilitation at Moscow State University; I supervise and remotely manage a research group of 4 PhD researchers and 11 students in Moscow (since 2012)

Media coverage and public outreach

Since 2009, 15 research papers authored/co-authored by me were accompanied by press-releases by CNRS, Moscow State University, CfA; I was interviewed by Russian nation-wide TV stations in 2012 and 2017. My 2015 *Science* paper on compact elliptical galaxies was covered by *NatGeo*, *Discovery*, *Slashdot*, *Gizmodo*, *MSN News*. My 2018 *ApJ* paper on intermediate-mass black holes had a full-page highlight article in *Science*.

3 public lectures and 6 featured interviews to media outlets since 2013

Bibliometric data

2111 citations (1141 as 1st author) listed in ADS as of Apr/2020; H-index: 25; 66 published refereed papers (24 as 1st author + 14 as 2nd author); 2 peer-reviewed Virtual Observatory standards

Complete List of Publications – Igor Chilingarian

Refereed papers:

1. Shapovalova, A. I.; Doroshenko, V. T.; Bochkarev, N. G.; Burenkov, A. N.; Carrasco, L.; Chavushyan, V. H.; Collin, S.; Valds, J. R.; Borisov, N.; Dumont, A.-M.; Vlasuyk, V. V.; **Chilingarian, I.**; Fioktistova, I. S.; Martinez, O. M.; 2004; A&A; v.422, p.925; “Profile variability of the H α and H β broad emission lines in NGC 5548”
2. Lipunov, V. M.; Krylov, A. V.; Kornilov, V. G.; Borisov, G. V.; Kuvshinov, D. A.; Belinsky, A. A.; Kuznetsov, M. V.; Potanin, S. A.; Antipov, G. A.; Tyurina, N. V.; Gorbovskey, E. S.; **Chilingaryan, I. V.**; 2004; AN; v.325, p.580; “MASTER: The Mobile Astronomical System of Telescope-Robots”
3. **Chilingarian, I.**; Sil’chenko, O.; Afanasiev V.; Prugniel Ph.; 2007; “Astronomy Letters”, 33, 292: “Young nuclei in dwarf elliptical galaxies”
4. **Chilingarian, I.**; Prugniel P.; Sil’chenko O.; Afanasiev V.; 2007; MNRAS, 376, 1033: “Kinematics and stellar populations of the dwarf elliptical galaxy IC 3653”
5. **Chilingarian, I.**; Cayatte, V.; Chemin, L.; Durret, F.; Lagan, T. F.; Adami, C.; Slezak, E.; 2007; A&A, 466, L21: “Discovery of a new M 32-like Compact Elliptical galaxy in the halo of the Abell 496 cD galaxy”
6. **Chilingarian, I.** and Mamon, G. A.; 2008; MNRAS, 385, L83: “SDSSJ124155.33+114003.7 – a Missing Link Between Compact Elliptical and Ultracompact Dwarf Galaxies”
7. Dodonov, S. and **Chilingaryan, I.**; 2008; “Astrophysical Bulletin”, 63, 1: “Library of reference spectral energy distributions of galaxies for the classification and determination of photometric redshifts of objects”
8. **Chilingarian, I.**; Cayatte, V.; Durret, F.; Adami, C.; Balkowski, C.; Chemin, L.; Laganá, T. F.; Prugniel, Ph.; 2008; A&A; 486, 85: “Kinematics and Stellar Populations of Low-Luminosity Early-type Galaxies in the Abell 496 Cluster”
9. **Chilingarian, I.**; Cayatte, V.; Bergond, G.; 2008; MNRAS, 390, 906: “Stellar population constraints on the dark matter content and origin of ultra-compact dwarf galaxies”
10. Di Matteo, P.; Combes, F.; **Chilingarian, I.**; Melchior, A.-L.; Semelin, B. 2008, Astronomische Nachrichten, 9, 952: “Evolution of galaxies in pairs: learning from simulations”
11. Sil’chenko, O.; **Chilingarian, I.**; Afanasiev, V.; 2009; Astronomy Letters, 35, 75: “The Star Formation History of the Circumnuclear Region in the Barred Galaxy NGC 4245”
12. **Chilingarian, I.**; 2009, MNRAS, 394, 1229: “Evolution of Virgo cluster dwarf elliptical galaxies I. Spatially-resolved stellar populations and internal kinematics.”
13. **Chilingarian, I.**; De Rijcke, S.; Buyle, P.; 2009, ApJL, 697, L111: “Internal Kinematics and Stellar Populations of the E+A Galaxy SDSS J230743.41+152558.4”
14. Melnyk, O. V.; Karachentseva, V. E.; Karachentsev, I. D.; Makarov, D. I.; **Chilingarian, I. V.**; 2009, Astrophysics, 52, 184: “Search for companions of nearby isolated galaxies”
15. **Chilingarian, I.**; Novikova, A.; Cayatte, V.; Combes, F.; Di Matteo, P.; Zasov, A.; 2009, A&A, 504, 389: “NGC 6340: an old S0 galaxy with a young polar disc. Clues from morphology, internal kinematics and stellar populations”
16. **Chilingarian, I.**; Cayatte, V.; Revaz, Y.; Dodonov, S.; Durand, D.; Durret, F.; Micol, A.; Slezak, E.; 2009, Science, 326, 1379 “A Population of Compact Elliptical Galaxies Detected with the Virtual Observatory”
17. **Chilingarian, I.**; Bergond, G.; 2010, MNRAS, 405, L11: “SDSS J150634.27+013331.6: the second compact elliptical galaxy in the NGC 5846 group”
18. **Chilingarian, I.**; Melchior, A.-L.; Zolotukhin, I.; 2010, MNRAS, 405, 1409: “Analytical approximations of K -corrections in optical and near-infrared bands”
19. **Chilingarian, I.**; Di Matteo, P.; Combes, F.; Melchior, A.-L.; Semelin, B.; 2010, A&A, 518, A61: “The GalMer database: Galaxy Mergers in the Virtual Observatory”
20. Zolotukhin, I.; **Chilingarian, I.**; 2011, A&A, 526, A84: “Virtual Observatory based identification of AX J194939+2631 as a new cataclysmic variable”
21. Sil’chenko, O.; **Chilingarian, I.**; 2011, Astronomy Letters, 37, 1: “Star formation history at the centres of lenticular galaxies with bars and purely exponential outer disks from SAURON Data”
22. **Chilingarian, I.**; Mieske, S.; Hilker, M.; Infante, L.; 2011, MNRAS, 412, 1627: “Dynamical vs. stellar mass-to-light ratios for a large sample of ultracompact dwarf galaxies in the Fornax cluster”

23. Katkov, I.; **Chilingarian, I.**; Sil'chenko, O.; Zasov, A.; Afanasiev, V.; 2011, *Baltic Astronomy*, 20, 453: "A Complex Stellar Line-of-Sight Velocity Distribution in the Lenticular Galaxy NGC 524"
24. Sil'chenko, O.; **Chilingarian, I.**; Sotnikova, N.; Afanasiev, V.; 2011, *MNRAS*, 414, 3645: "Large scale nested stellar discs in NGC 7217"
25. **Chilingarian, I.**; Zolotukhin, I.; 2012, *MNRAS*, 419, 1727: "A universal ultraviolet-optical colour-colour-magnitude relation of galaxies"
26. Francis, K.; Drinkwater, M.; **Chilingaian, I.**; Bolt, A.; Firth, P.; 2012, *MNRAS*, 425, 325: "The chemical composition of ultracompact dwarf galaxies in the Virgo and Fornax clusters"
27. McLeod, B.; Fabricant, D.; . . . **Chilingarian, I.** (9 of 22) et al.; 2012, *PASP*, 124, 1318: "MMT and Magellan Infrared Spectrograph"
28. Bean, J.; Desert, J.-M.; Seifahrt, A.; Madhusudhan, N.; **Chilingarian, I.**; Homeier, D.; Szentgyorgyi, A.; 2013, *ApJ*, 771 108: "Ground-based Transit Spectroscopy of the Hot-Jupiter WASP-19b in the Near-infrared"
29. Podorvanyuk, N.; **Chilingarian, I.**; Katkov, I.; 2013, *MNRAS*, 432, 2632: "A new technique for the determination of the initial mass function in unresolved stellar populations"
30. Saulder, C.; Mieske, S.; Zeilinger, W.; **Chilingarian, I.**; 2013, *A&A*, 557, A21: "Calibrating the fundamental plane with SDSS DR8 data"
31. Damjanov, I.; **Chilingarian, I.**; Hwang, H. S.; Geller, M.; 2013, *ApJL*, 775, L48: "Discovery of Nine Intermediate-redshift Compact Quiescent Galaxies in the Sloan Digital Sky Survey"
32. Fabricant, D.; **Chilingarian, I.**; Hwang, H. S.; Kurtz, M.; Geller, M.; Del'Antonio, I.; Rines, K.; 2013, *PASP*, 125, 1362: "Measuring Galaxy Velocity Dispersions with Hectospec"
33. Kasparova, A.; Saburova, A.; Katkov, I.; **Chilingarian, I.**; Bizyaev, D.; 2014, *MNRAS*, 437, 3072: "A portrait of Malin 2: a case study of a giant low surface brightness galaxy"
34. Damjanov, I.; Hwang, H. S.; Geller, M. J.; **Chilingarian, I.**; 2014, *ApJ*, 793, 39: "The Number Density of Quiescent Compact Galaxies at Intermediate Redshift"
35. Seth, A.; van den Bosch, R.; Mieske, S.; Baumgardt, H.; Den Brok, M.; Strader, J.; Neumayer, N.; **Chilingarian, I.**; Hilker, M.; McDermid, R.; Spitler, L.; Brodie, J.; Frank, M. J.; Walsh, J. L.; 2014, *Nature*, 513, 389: "A supermassive black hole in an ultra-compact dwarf galaxy"
36. **Chilingarian, I.**; Beletsky, Y.; Moran, S.; Brown, W.; McLeod, B.; Fabricant, D.; 2015, *PASP*, 127, 406: "Data Reduction Pipeline for the MMT and Magellan Infrared Spectrograph"
37. **Chilingarian, I.**; Zolotukhin, I.; 2015, *Science*, 348, 418: "Isolated compact elliptical galaxies: Stellar systems that ran away"
38. Zahid, H. J.; Damjanov, I.; Geller, M. J.; **Chilingarian, I.**; 2015, *ApJ*, 806, 122: "Quiescent Compact Galaxies at Intermediate Redshift in the COSMOS Field. II. The Fundamental Plane of Massive Galaxies"
39. Laporte, N.; Infante, L.; Troncoso Iribarren, P.; Zheng, W.; Molino, A.; Bauer, F. E.; Bina, D.; Broadhurst, Tom; **Chilingarian, I.** et al.; 2016, *ApJ*, 820, 98: "Young Galaxy Candidates in the Hubble Frontier Fields. III. MACS J0717.5+3745"
40. Klishin, A.; **Chilingarian, I.**; 2016, *ApJ*, 824, 17: "Explaining the Stellar Initial Mass Function with the Theory of Spatial Networks"
41. Kasparova, A.; Katkov, I.; **Chilingarian, I.**; Silchenko, O.; Moiseev, A.; Borisov, S.; 2016, *MNRAS*, 460, L89: "The diversity of thick galactic discs"
42. Katkov, I.; Sil'chenko, O.; **Chilingarian, I.**; Uklein, R.; Egorov, O.; 2016, *MNRAS*, 461, 2068: "Stellar counter-rotation in lenticular galaxy NGC 448"
43. Zahid, H. J.; Baeza Hochmuth, N.; Geller, M. J.; Damjanov, I.; **Chilingarian, I.**; Sohn, J.; Salmi, F.; Hwang, H. S.; 2016, *ApJ*, 831, 146: "Compact E+A Galaxies as a Progenitor of Massive Compact Quiescent Galaxies at $0.2 < z < 0.8$ "
44. Saulder, C.; van Kampen, E.; **Chilingarian, I.**; Mieske, S.; Zeilinger, W.; 2016, *A&A*, 596, A14: "The matter distribution in the local Universe as derived from galaxy groups in SDSS DR12 and 2MRS"
45. **Chilingarian, I.**; Zolotukhin, I.; Katkov, I.; Melchior, A.-L.; Rubtsov, E.; Grishin, K.; 2017, *ApJS*, 228, 14: "RCSED - A Value-Added Reference Catalog of Spectral Energy Distributions of 800,299 Galaxies in 11 Ultraviolet, Optical, and Near-Infrared Bands: Morphologies, Colors, Ionized Gas and Stellar Populations Properties"

46. Ahn, C.; Seth, A.; den Brok, M.; Strader, J.; Baumgardt, H.; van den Bosch, R.; **Chilingarian, I.** et al.; 2017, ApJ, 839, 72: “Detection of Supermassive Black Holes in Two Virgo Ultracompact Dwarf Galaxies”
47. Zolotukhin, I.; Bachetti, M.; Sartore, N.; **Chilingarian, I.**; Webb, N.; 2017, ApJ, 839, 125: “The slowest spinning X-ray pulsar in an extragalactic globular cluster”
48. Graham, A.; Janz, J.; Penny, S.; **Chilingarian, I.**; Ciambur, B.; Forbes, D.; Davies, R.; 2017, ApJ, 840, 68: “Implications for the Origin of Early-type Dwarf Galaxies: A Detailed Look at the Isolated Rotating Early-type Dwarf Galaxy LEDA 2108986 (CG 611), Ramifications for the Fundamental Plane S_K^2 Kinematic Scaling, and the Spin-Ellipticity Diagram”
49. Milisavljevic, D.; ...; **Chilingarian, I.** et al.; 2017, ApJ, 846, 50: “iPTF15eqv: Multiwavelength Exposé of a Peculiar Calcium-rich Transient”
50. Voggel, K.; Seth, A.; Neumayer, N.; Mieske, S.; **Chilingarian, I.** et al. 2018, ApJ, 858, 20: “Upper Limits on the Presence of Central Massive Black Holes in Two Ultra-compact Dwarf Galaxies in Centaurus A”
51. **Chilingarian, I.**, Asa'd R.; 2018, ApJ, 858, 63: “Star clusters as tracers of star formation and chemical evolution: the chemical enrichment history of the Large Magellanic Cloud”
52. Ahn, C.; ...; **Chilingarian, I.** et al.; 2018, ApJ, 858, 102: “The Black Hole in the Most Massive Ultracompact Dwarf Galaxy M59-UCD3”
53. Afanasiev, A.; **Chilingarian, I.**; Mieske, S. et al.; 2018, MNRAS, 477, 4856: “A 3.5 million Solar masses black hole in the centre of the ultracompact dwarf galaxy fornax UCD3”
54. **Chilingarian, I.** et al.; 2018 ApJ, 831, 1: “A population of bona fide intermediate mass black holes identified as low luminosity active galactic nuclei”
55. Saburova, A.; **Chilingarian, I.** et al. 2018 MNRAS, 481 3534: “A Malin 1 “cousin” with counter-rotation: internal dynamics and stellar content of the giant low surface brightness galaxy UGC 1922”
56. Raymond, J.; ... **Chilingarian, I.**; 2018 ApJ 866 128: “The Temperature and Ionization of Unshocked Ejecta in Cas A”
57. Margutti, R.; ... **Chilingarian, I.** et al.; 2019 ApJ 872 18: “An embedded X-ray source shines through the aspherical AT2018cow: revealing the inner workings of the most luminous fast-evolving optical transients”
58. Fabricant, D.; Fata, R.; Epps, H.; Gauron, T.; Mueller, M.; Zajac, J.; Amato, S.; Barberis, J.; Bergner, H.; Brennan, P.; Brown, W.; **Chilingarian, I.**; Geary, J.; Kradinov, V.; McLeod, B.; Smith, M.; Woods, D.; 2019 PASP 131 075004: “Binospec: A Wide-field Imaging Spectrograph for the MMT”
59. Kinsky, J.; **Chilingarian, I.**; Fabricant, D.; Matthews, A.; Moran, S.; Paegert, M.; Duane G., J.; Porter, D.; Roll, J.; 2019 PASP 131 075005: “Binospec Software System”
60. Saburova, A.; **Chilingarian, I.**; Kasparova, A.; Katkov, I.; Fabricant, D.; Uklein, R.; 2019 MNRAS 489 4669: “UGC 1378 - a Milky Way sized galaxy embedded in a giant low surface brightness disc”
61. **Chilingarian, I.**; Afanasiev, A.; Grishin, K.; Fabricant, D.; Moran, S.; 2019 ApJ 884 79: “Internal dynamics and stellar content of eight ultra-diffuse galaxies in the Coma cluster prove their evolutionary link with dwarf early-type galaxies”
62. Sun, W.; ... **Chilingarian, I.** et al.; 2019 ApJ 885 145: “The Next Generation Virgo Cluster Survey. XVII. A Search for Planetary Nebulae in Virgo Cluster Globular Clusters”
63. Kasparova, A.; Katkov, I.; **Chilingarian, I.**; 2020 MNRAS 493 5464: “A thick disc as massive as it gets: the vertical structure of the enormous edge-on lenticular galaxy NGC7572”
64. **Chilingarian, I.** & Grishin, K.; 2020 PASP 132 64503: “Estimating Statistical Uncertainties of Internal Kinematics of Galaxies and Star Clusters Derived Using Full Spectrum Fitting”
65. Coppejans, D. L.; Margutti, R.; . . **Chilingarian, I.** et al.; 2020 ApJL in press (arXiv:2003.10503): “A relativistic outflow from the energetic, fast-rising blue optical transient CSS161010 in a dwarf galaxy”
66. Raymond, J. C.; **Chilingarian, I.**; Blair, W.; Sankrit, R.; Slavin, J.; Burkhart, B.; 2020 ApJ in press (arXiv:2004.09567): “Turbulence and Energetic Particles in Radiative Shock Waves in the Cygnus Loop I: Shock Properties”

International Virtual Observatory Standards (peer-reviewed):

67. Mireille Louys; Anita Richards; Francois Bonnarel; Alberto Micol; **Igor Chilingarian**; Jonathan McDowell; “Data Model for Astronomical DataSet Characterisation”; IVOA Recommendation: 08 November 2007

68. Mireille Louys; Francois Bonnarel; . . . **Igor Chilingarian** (10 of 13) et al.; “Observation Data Model Core Components and its Implementation in the Table Access Protocol Version 1.0”; IVOA Recommendation: 28 October 2011

Conference proceedings and non-refereed publications:

1. **Chilingarian, I.**; Master thesis. International conference for graduate, postgraduate students and young scientists in fundamental sciences “Lomonosov-2003”. Section: Physics, proceedings of the conference, 2003, pp.16-17. “Object classification by SEDs.”
2. Prugniel, P.; **Chilingarian, I.**; Flores, H.; Guibert, J.; Jegouzo, I.; Royer, F.; Tajahmady, F.; Theureau, G.; Vétois, J.; 2003; Proceedings of SF2A-2003; “MIGALE: A Multiparametric Virtual Instrument to Study Galaxy Evolution”
3. **Chilingarian, I.**; Bartunov, O.; Richter, J.; Sigaev, T.; 2004; ASP Conference Series, Vol. 314, p. 225; “PostgreSQL: the Suitable DBMS Solution for Astronomy and Astrophysics”
4. Prugniel, P.; Paturel, G.; Georgiev, V.; **Chilingarian, I.**; Petit, C.; 2004; Proceedings of ESO/ESA/NASA/NSF Conference, p. 307; “HyperLeda: Virtual Instruments for Extragalactic Astronomy”
5. Prugniel, Ph.; **Chilingarian, I.**; Flores, H.; Guibert, J.; Haignon, R.; Jégouzo, I.; Royer, F.; Tajahmady, F.; Theureau, G.; Vétois, J.; 2004; Proceedings of SF2A-2004, p. 555; “Virtual Instrumentation to study galaxies”
6. Prugniel, P.; **Chilingarian, I.**; Sil’chenko, O.; Afanasiev, V.; 2005; Proceedings of IAU Colloquium 198, p. 73 (astro-ph/0510398); “Internal kinematics and stellar populations of dE galaxies: clues to their formation/evolution”
7. **Chilingarian, I.**; Prugniel, P.; Sil’chenko, O.; Afanasiev, V.; 2005; Proceedings of IAU Colloquium 198, p. 105; “3D Spectroscopic studies of dE galaxies”
8. **Chilingarian, I.**; Prugniel, P.; Flores, H.; Guibert, J.; Haignon, R.; Jegouzo, I.; Royer, F.; Tajahmady, F.; Theureau, G.; Vétois, J.; 2005; ASP Conference Series, Vol. 347, p. 385; “MIGALE: Milestones and Roadmap”
9. Prugniel, Ph.; **Chilingarian, I.**; Popović, L.; 2005, Memorie della Societa Astronomica Italiana Supplement, v.7, p.42: “The history and dynamics of the stellar population in the central kpc of active galaxies”
10. **Chilingarian, I.**; Bonnarel, F.; Louys, M.; McDowell, J.; 2006, ASP Conference Series, Vol. 351, p. 371; “Handling 3D data in the Virtual Observatory”
11. Simon, G.; Dubernet, M. L.; Le Sidaner, P.; Abouadarham, J.; Barache, C.; Berthier, J.; Boone, F.; Borsenberger, J.; Caillat, M.; **Chilingarian, I.** and 45 co-authors; 2006, ASP Conference Series, Vol. 351, p.394. “VO Paris Federation”
12. Désert, M.; Hébrard, G.; Lecavalier Des Étangs, A.; Ferlet, R.; Vidal-Madjar, A.; **Chilingarian, I.**; 2006, ASP Conference Series, Vol. 351, p. 475, “The IAP FUSE Database: a Virtual Observatory Interactive Web Tool”
13. Koleva, Mina; Prugniel, Philippe; Ocvirk, Pierre; Le Borgne, Damien; **Chilingarian, Igor**; Soubiran, Caroline; 2007; Proceedings of IAU Symposium 241; p.183 “Comparison of different spectral population models”
14. **Chilingarian, I.**; 2007; Proceedings of IAU Symposium 241; p.177: “Access to Stellar Population Models in the Virtual Observatory”
15. **Chilingarian, Igor**; Prugniel, Philippe; Sil’chenko, Olga; Koleva, Mina; p.175: “NBursts: Simultaneous Extraction of Internal Kinematics and Parametrized SFH from Integrated Light Spectra”
16. **Chilingarian, I.**, Ferraz Lagana T., Cayatte V., Durret F., Adami C., Balkowski C., Chemin L., Prugniel P.; 2008; proceedings of “Mapping the Galaxy and Nearby Galaxies”, eds. K. Wada and F. Combes, Springer, p. 315: “Evolution of dE galaxies in Abell 496. Kinematics and stellar populations of 46 galaxies.”
17. **I. Chilingarian**, V. Afanasiev, F. Bonnarel, S. Dodonov, M. Louys, I. Zolotukhin; 2007; ASP Conference Series, Vol. 376, p. 217: “ASPID-SR: Large VO-compliant Science-Ready Data Archive”
18. I. Zolotukhin, N. Samokhvalov, F. Bonnarel, **I. Chilingarian**; 2007; ASP Conference Series, Vol. 376, p. 355: “Comprehensive metadata query interface for heterogeneous data archives based on open source PostgreSQL ORDBMS”
19. **Chilingarian, I.**; Di Matteo, P.; Combes, F.; Melchior, A. -L.; Semelin, B.; proceedings of SF2A-2007, p.310: “Modelling Spectra of N-Body Simulations of Galaxy Mergers”

20. Di Matteo, P.; Combes, F.; **Chilingarian, I.**; Melchior, A. -L.; Semelin, B.; proceedings of SF2A-2007, p.322: "Chemodynamical evolution of interacting galaxies: the GalMer view"
21. Koleva M., Bavouzet N., **Chilingarian, I.**, Prugniel, P.; 2007; Proceedings of ESO Workshop "Scientific Perspectives of 3D Spectroscopy"; p.153
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