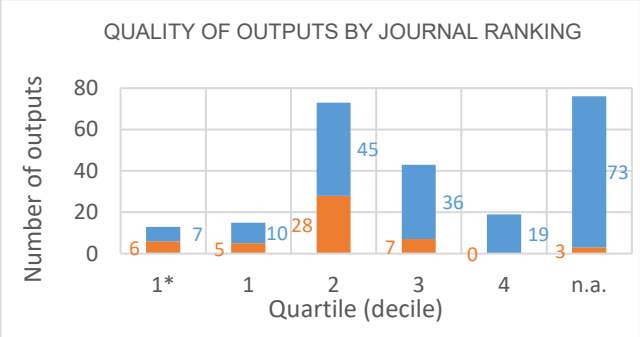
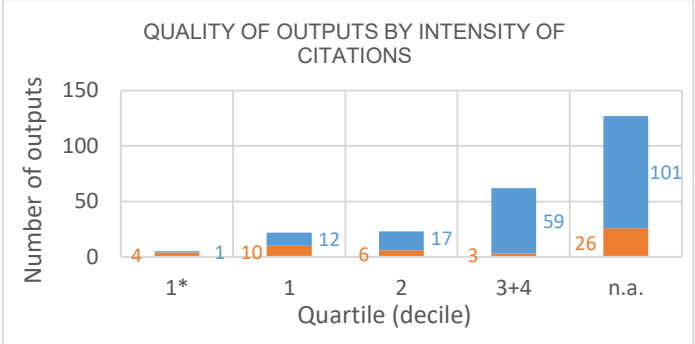
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Theoretical Physics
Head: prom. fyz. Jiří Adam, CSc.
Field: Physical sciences
Total number of outputs: 239 **Evaluated outputs:** 49





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	10	37
B	2	12
B1	5	15
C	13	58
C1	14	49
D	2	16
D1	3	1
E		
n.a.		1
Without affiliation		1
A1+B1+C1+D1	32	102
B+C+D+E	17	86

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Nuclear	19	46
Physics Multidisciplinary	11	49
Physics Mathematical	7	49
Physics Particles Fields	10	39
Mathematics	6	26
Mathematics Applied	3	18
Astronomy Astrophysics	7	11
Physics Atomic Molecular Chemical	6	10
Optics	6	4
Physics Applied		8
Computer Science Theory Methods		4
Computer Science Interdisciplinary A	1	2
Multidisciplinary Sciences		3
n.a.		3
Nanoscience Nanotechnology		3
Nuclear Science Technology		3
Physics Condensed Matter		3
Engineering Multidisciplinary		2
Computer Science Hardware Architec		1
Computer Science Information Syster		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.
Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.
Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.
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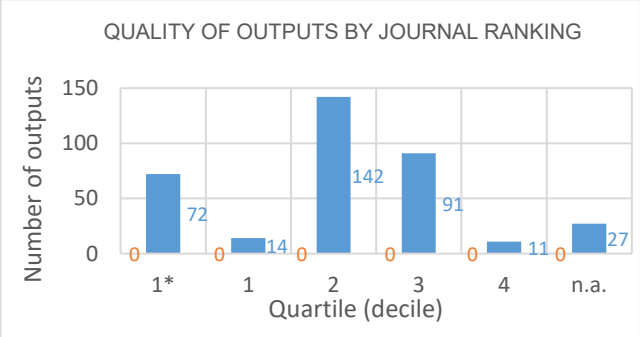
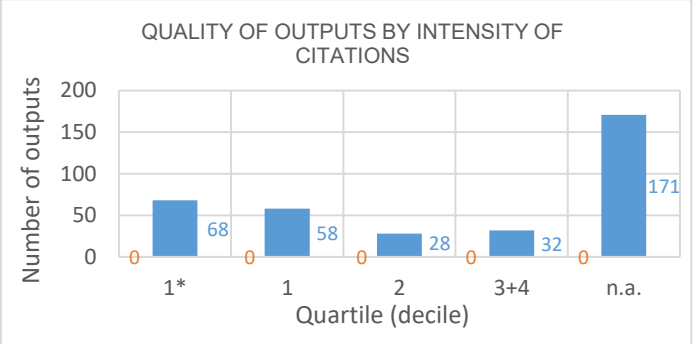
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Ultra-relativistic Heavy Ions
Head: RNDr. Filip Křížek, Ph.D.
Field: Physical sciences
Total number of outputs: 357 **Evaluated outputs:** 0





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		12
B		2
B1		6
C		13
C1		11
D		307
D1		4
E		1
n.a.		1
Without affiliation		
A1+B1+C1+D1		33
B+C+D+E		323

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Nuclear		201
Physics Particles Fields		185
Astronomy Astrophysics		94
Physics Multidisciplinary		41
Instruments Instrumentation		12
Nuclear Science Technology		9
Computer Science Interdisciplinary A		4
Engineering Electrical Electronic		3
Computer Science Theory Methods		2
Multidisciplinary Sciences		2
Computer Science Artificial Intelligenc		1
Computer Science Information Syster		1
Computer Science Software Engineer		1
Chemistry Analytical		1
Chemistry Inorganic Nuclear		1
n.a.		1
Physics Atomic Molecular Chemical		1
Physics Mathematical		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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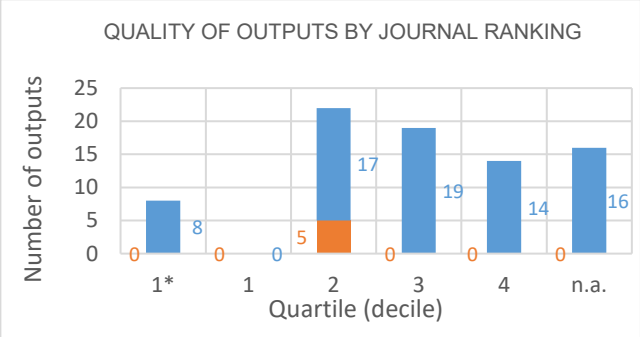
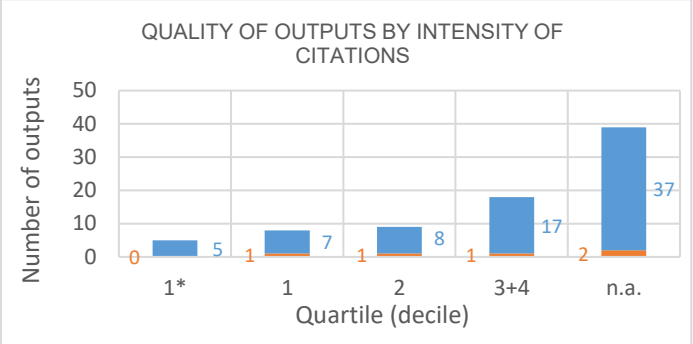
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Relativistic Heavy Ions, Neutrino Properties
Head: RNDr. Andrej Kugler, CSc.
Field: Physical sciences
Total number of outputs: 79 **Evaluated outputs:** 5





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B		
B1		2
C	2	9
C1	1	10
D	2	43
D1		4
E		
n.a.		
Without affiliation		4
A1+B1+C1+D1	1	18
B+C+D+E	4	52

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Nuclear		44
Physics Particles Fields		35
Instruments Instrumentation		15
Nuclear Science Technology	2	12
Astronomy Astrophysics		11
Physics Multidisciplinary		9
Physics Applied		4
Physics Atomic Molecular Chemical		4
Chemistry Inorganic Nuclear		3
Radiology Nuclear Medicine Medical I		3
Spectroscopy	3	
Engineering Industrial		1
Optics		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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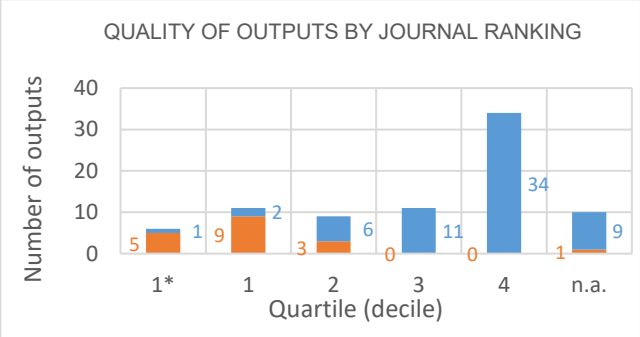
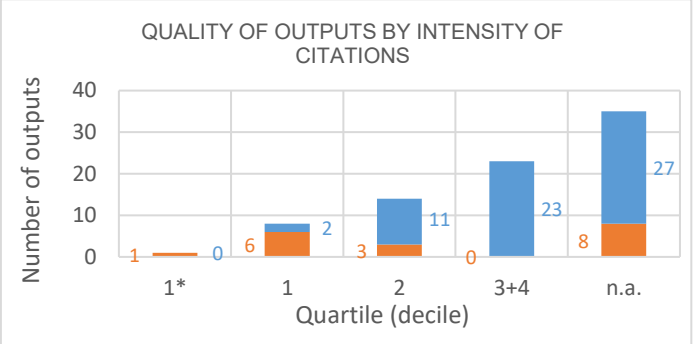
Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Radioanalytical and Dating Methods
Head: prof. Ing. Jan Kučera, CSc.
Field: Physical sciences
Total number of outputs: 81 **Evaluated outputs:** 18





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		6
B	6	12
B1	1	5
C	1	11
C1	2	12
D	5	10
D1	2	4
E		
n.a.	1	3
Without affiliation		
A1+B1+C1+D1	5	27
B+C+D+E	12	33

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Chemistry Analytical	1	30
Nuclear Science Technology		30
Chemistry Inorganic Nuclear		27
Geochemistry Geophysics	5	4
Environmental Sciences	4	4
Archaeology	1	4
Mycology		5
Geosciences Multidisciplinary	2	2
n.a.	1	3
Physics Atomic Molecular Chemical		4
Chemistry Physical	1	2
Instruments Instrumentation		3
Multidisciplinary Sciences	1	2
Physics Nuclear	1	2
Food Science Technology	1	1
Chemistry Multidisciplinary	1	1
Mineralogy	1	1
Physics Multidisciplinary		2
Anthropology	1	
Biochemical Research Methods		1

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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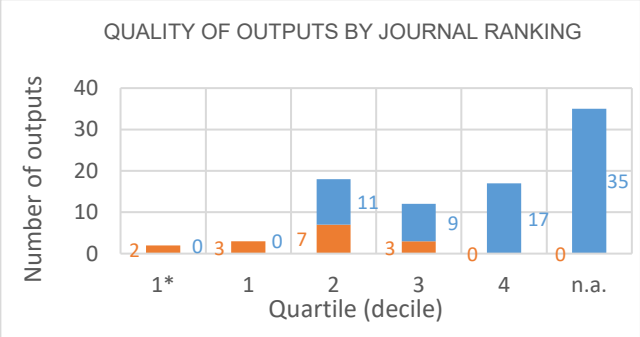
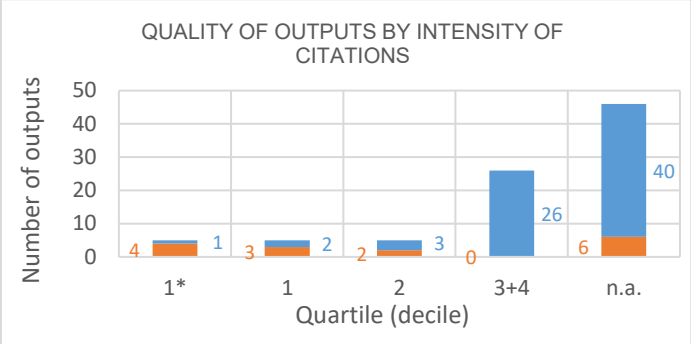
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Nuclear Reactions
Head: Mgr. Jaromír Mrázek, Ph.D.
Field: Physical sciences
Total number of outputs: 87 **Evaluated outputs:** 15





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	6
B		
B1		7
C	3	12
C1	1	10
D	10	35
D1		2
E		
n.a.		
Without affiliation		
A1+B1+C1+D1	2	25
B+C+D+E	13	47

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Nuclear	11	42
Nuclear Science Technology	1	32
Physics Particles Fields	4	18
Astronomy Astrophysics	2	17
Instruments Instrumentation		10
Physics Applied		10
Physics Atomic Molecular Chemical		7
Radiology Nuclear Medicine Medical I		5
Physics Multidisciplinary	2	2
Environmental Sciences		3
Chemistry Inorganic Nuclear		3
Chemistry Physical		3
Public Environmental Occupational H		3
Engineering Industrial		1
Chemistry Analytical		1
Materials Science Multidisciplinary	1	
Physics Mathematical		1

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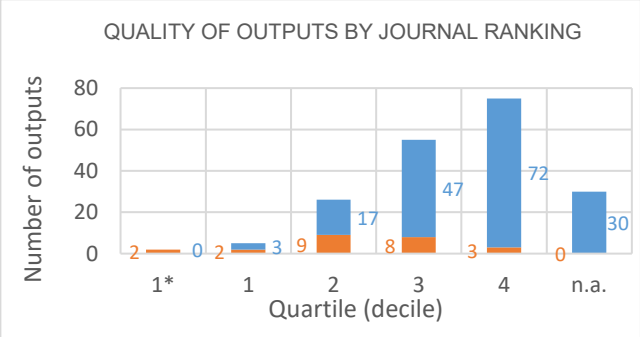
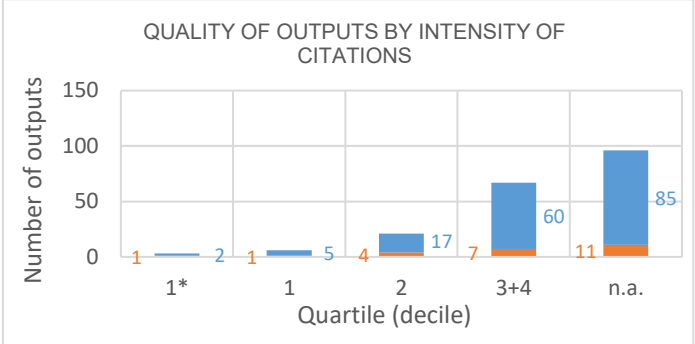
BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Research with Beams of Ions and Neutrons
Head: doc. RNDr. Anna Macková, Ph.D.
Field: Physical sciences
Total number of outputs: 193 **Evaluated outputs:** 24





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B	1	22
B1	6	19
C	2	62
C1	8	32
D	4	18
D1	3	12
E		
n.a.		2
Without affiliation		
A1+B1+C1+D1	17	65
B+C+D+E	7	102

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Physics Applied	12	45
Nuclear Science Technology	1	52
Physics Nuclear	1	42
Materials Science Multidisciplinary	10	32
Instruments Instrumentation	1	38
Physics Condensed Matter	4	31
Physics Atomic Molecular Chemical	3	31
Chemistry Physical	8	17
Materials Science Coatings Films	6	16
Physics Fluids Plasmas		22
Nanoscience Nanotechnology	5	9
Chemistry Multidisciplinary	3	5
Physics Particles Fields		8
Optics		7
Chemistry Inorganic Nuclear		6
Engineering Electrical Electronic		5
Physics Multidisciplinary		5
Polymer Science	1	3
Chemistry Analytical		3
Materials Science Ceramics		3

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
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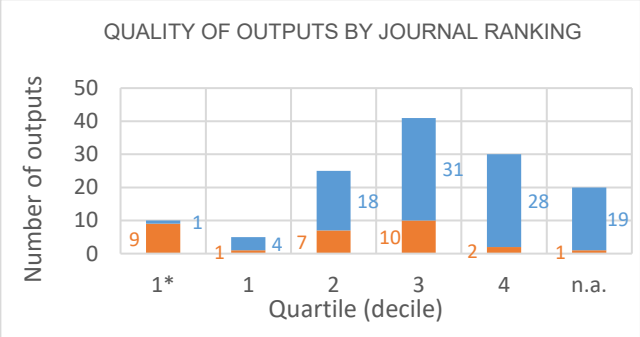
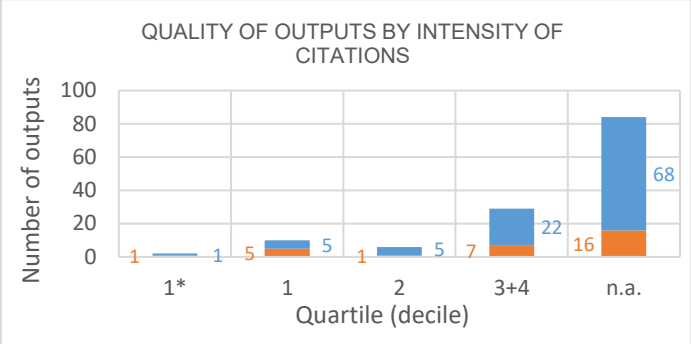
Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Neutron Diffraction
Head: RNDr. Pavel Strunz, CSc.
Field: Physical sciences
Total number of outputs: 131 **Evaluated outputs:** 30





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1		2
B	4	15
B1	1	7
C	10	33
C1	8	24
D	7	17
D1		2
E		
n.a.		1
Without affiliation		
A1+B1+C1+D1	9	35
B+C+D+E	21	65

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Materials Science Multidisciplinary	21	45
Metallurgy Metallurgical Engineering	13	19
Physics Condensed Matter	5	10
Physics Multidisciplinary		15
Physics Applied	1	13
Chemistry Physical	3	6
Materials Science Characterization Te	2	7
Nanoscience Nanotechnology	3	6
Physics Nuclear		9
Physics Particles Fields		8
Instruments Instrumentation		7
Chemistry Inorganic Nuclear	2	4
Nuclear Science Technology		5
Engineering Mechanical	3	1
Chemistry Multidisciplinary	3	1
Mechanics	4	
Crystallography	3	
Engineering Electrical Electronic		3
Multidisciplinary Sciences	1	2
Engineering Manufacturing		2

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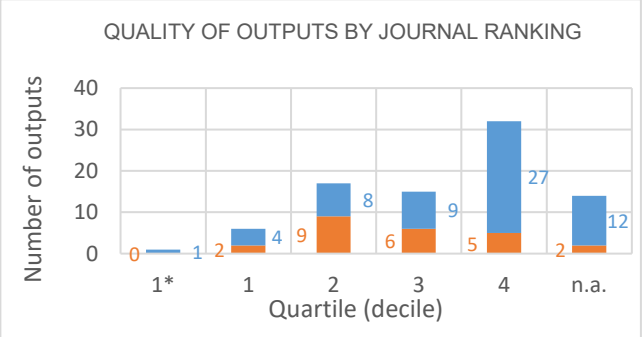
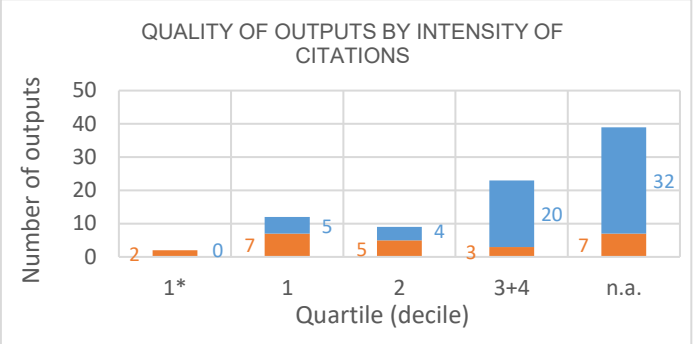
Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Dosimetry of Ionizing Radiation
Head: Ing. Marie Davídková, CSc.
Field: Physical sciences
Total number of outputs: 85 **Evaluated outputs:** 24





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	1	1
B	1	3
B1	1	2
C	7	16
C1	3	15
D	9	19
D1	1	2
E		
n.a.	1	3
Without affiliation		
A1+B1+C1+D1	6	20
B+C+D+E	17	38

FIELD STRUCTURE OF OUTPUTS

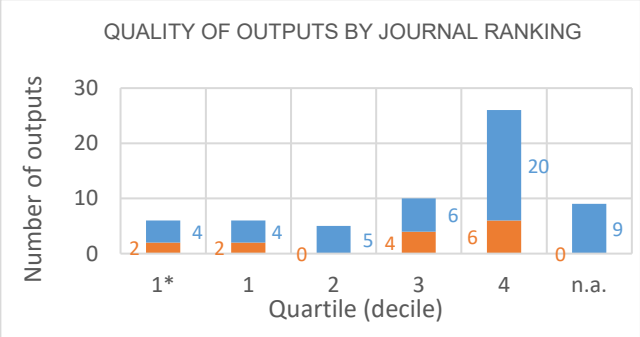
Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Radiology Nuclear Medicine Medical I	9	14
Nuclear Science Technology	8	14
Astronomy Astrophysics	3	15
Environmental Sciences	4	10
Biology	3	7
Public Environmental Occupational H	2	8
Biophysics	3	4
Meteorology Atmospheric Sciences	4	3
Physics Particles Fields	1	6
Instruments Instrumentation	1	5
Geochemistry Geophysics	3	2
Multidisciplinary Sciences	1	4
Physics Applied	1	4
Physics Fluids Plasmas	1	4
Physics Nuclear	1	4
Geosciences Multidisciplinary		4
Chemistry Physical	2	2
n.a.	1	3
Physics Atomic Molecular Chemical	2	2
Engineering Aerospace		3

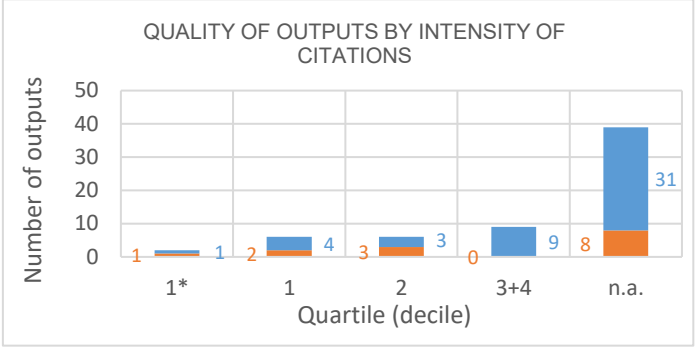
Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.
Outputs used for bibliometry: subset of all outputs registered in the Web of Science; document type: article, review or proceedings paper.
Quality of outputs by journal ranking: number of outputs in top decile (1*) and quartiles (1-4) by AIS of journals; n. a. - outputs in journals without AIS; orange: outputs from the Phase I, blue: the other outputs of the team.
Quality of outputs by intensity of citations: number of outputs in the top decile (1*) and in quartiles (1, 2, 3+4) determined from the list of outputs ordered by the number of citations (downloaded from the Web of Science at the beginning of evaluation) for each subject category, year, and type of output; n. a. – the data are not robust enough for relevant judgement; orange: outputs from the Phase I, blue: the other outputs of the team.
Types of collaboration: outputs created exclusively in a particular institute are marked by A1, outputs created within national cooperation by max. 5 organizations are marked by B, outputs created within international cooperation by max. 5 organizations are marked C, outputs created within large collaboration exceeding 5 organizations are marked D, outputs created within large international collaboration are marked E. It is distinguished by marking B1/B, C1/C and D1/D whether the output has/does not have a corresponding author from a particular team.
Field structure of outputs: number of outputs of the team in different subject categories (subfields); if the output is assigned to more than one field, the field where the publication performs best (assessed by Quality of outputs by journals ranking) is taken; the table shows up to 20 fields.
Detailed explanation of the indicators is provided in the Methodology of evaluation, Annex 2 – Bibliometrics.

Evaluation of the Research and Professional Activities of the Institutes of the Czech Academy of Sciences for 2015–2019

BIBLIOMETRIC PARAMETERS OF ALL OUTPUTS INCLUDING THOSE EVALUATED IN THE PHASE I.

Institute: Nuclear Physics Institute of the CAS, v. v. i.
Team: Radionuclides and Accelerators
Head: prof. Ing. Ondřej Lebeda, Ph.D.
Field: Physical sciences
Total number of outputs: 62 **Evaluated outputs:** 14





TYPES OF COLLABORATION

Collaboration	Outputs (evaluated)	Outputs (not evaluated)
A1	5	3
B	1	4
B1	3	7
C	1	8
C1		3
D	3	17
D1	1	2
E		
n.a.		3
Without affiliation		1
A1+B1+C1+D1	9	15
B+C+D+E	5	29

FIELD STRUCTURE OF OUTPUTS

Field structure of outputs	Outputs (evaluated)	Outputs (not evaluated)
Nuclear Science Technology	9	19
Instruments Instrumentation	7	9
Physics Nuclear	8	6
Materials Science Multidisciplinary	2	8
Chemistry Inorganic Nuclear	1	8
Physics Applied	1	8
Physics Atomic Molecular Chemical	5	3
Physics Particles Fields	3	5
Chemistry Analytical	1	5
Nanoscience Nanotechnology	1	5
Radiology Nuclear Medicine Medical I		6
Chemistry Multidisciplinary	1	4
Chemistry Physical	1	4
Physics Condensed Matter		4
Environmental Sciences		3
n.a.		3
Chemistry Organic		2
Physics Multidisciplinary		2
Polymer Science		2
Public Environmental Occupational H		2

Total number of outputs: outputs of the team published during the evaluated period 2015-2019.
Evaluated outputs: selected outputs submitted by the team to the Phase I of evaluation.
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