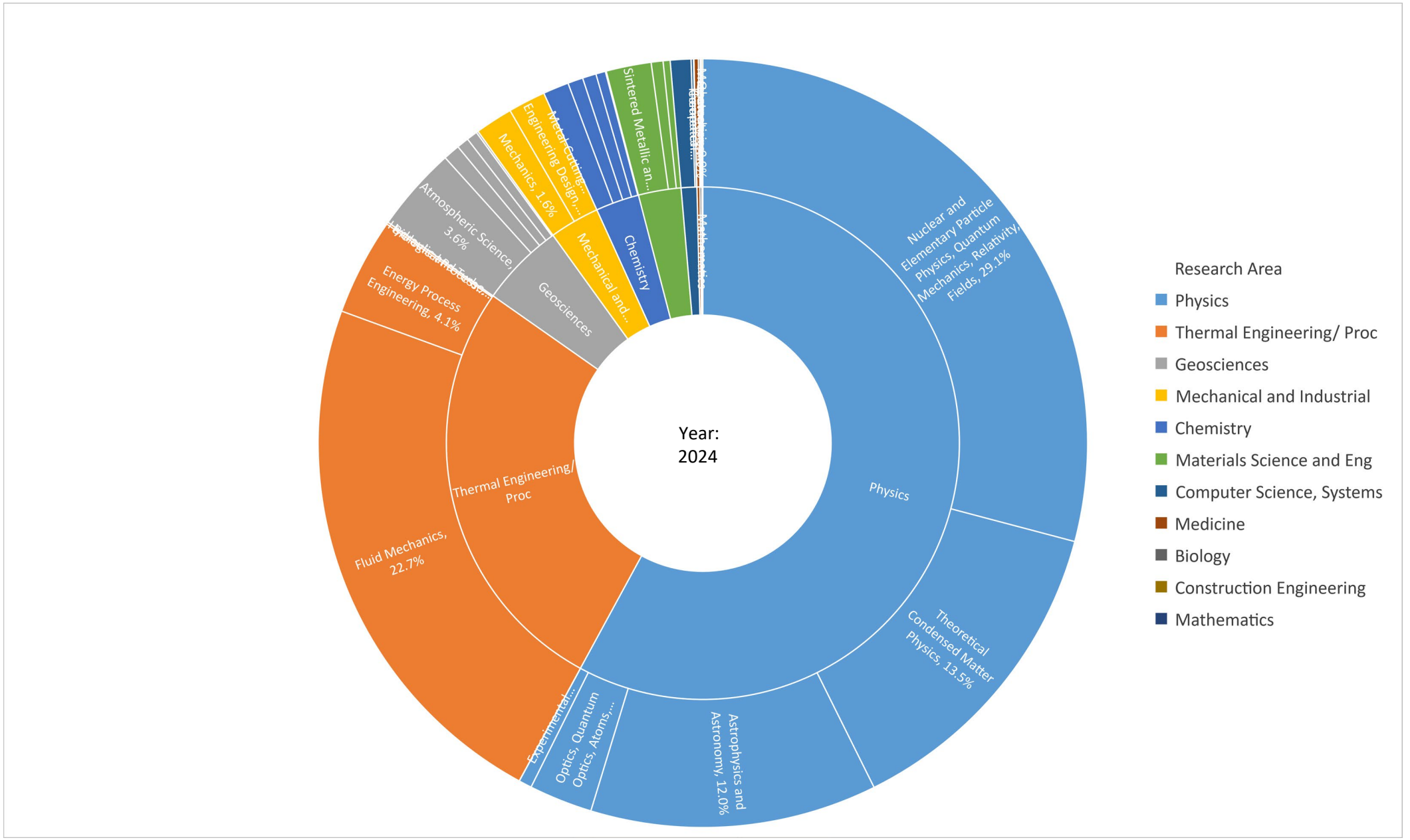
SuperMUC-NG
Usage Report



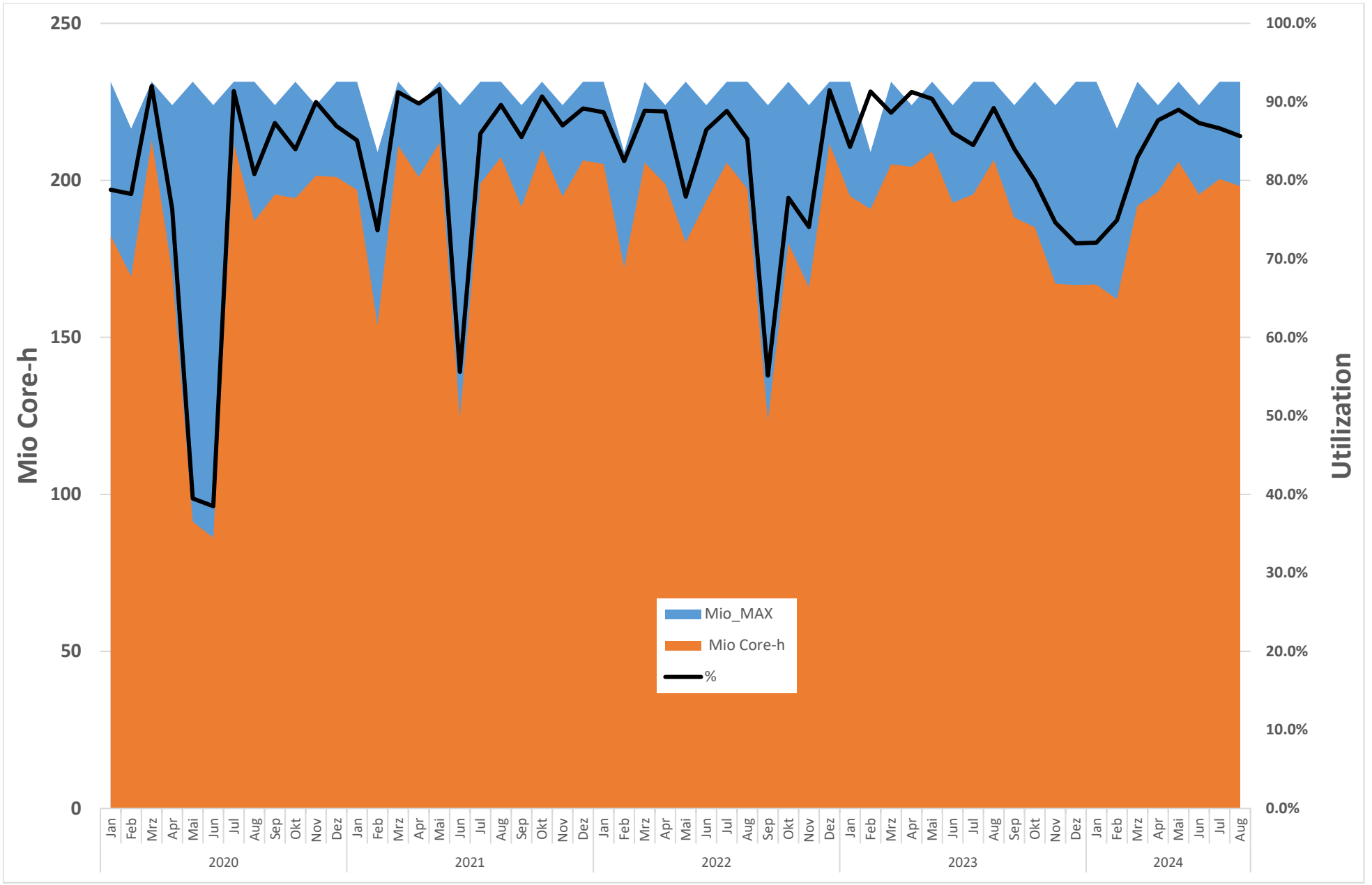
02.09.2024

Usage by Month

SuperMUC-NG Phase1

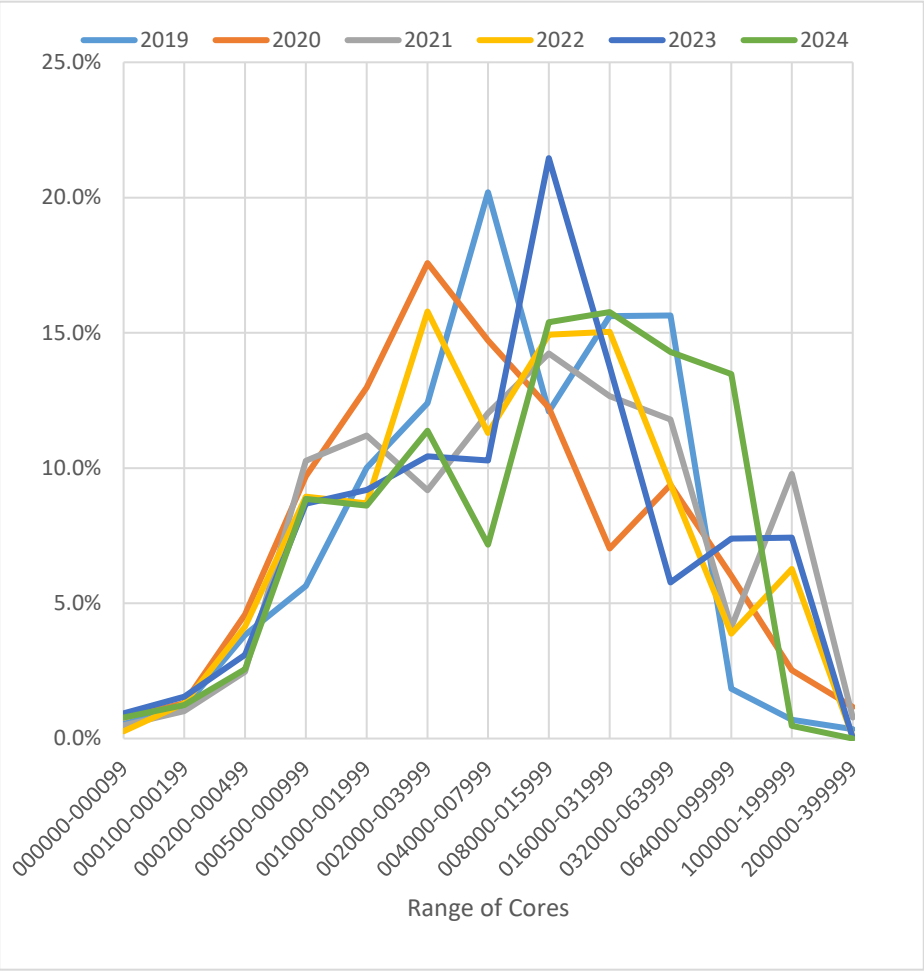
Date	Mio_MAX	Mio Core-h	%	Jobs
2024	**1821.5**	**1517.2**	**83.3%**	**594092**
Jan	231.4	166.8	72.1%	36612
Feb	216.5	162.2	74.9%	34569
Mrz	231.4	191.9	82.9%	21783
Apr	223.9	196.3	87.6%	22219
Mai	231.4	205.9	89.0%	23056
Jun	223.9	195.6	87.3%	35125
Jul	231.4	200.4	86.6%	29727
Aug	231.4	198.1	85.6%	391001
2023	**2724.7**	**2306.3**	**84.7%**	**486284**
Jan	231.4	195.0	84.3%	29788
Feb	209.0	190.9	91.3%	35388
Mrz	231.4	205.1	88.6%	36127
Apr	223.9	204.4	91.3%	29195
Mai	231.4	209.1	90.4%	28627
Jun	223.9	192.8	86.1%	28807
Jul	231.4	195.5	84.5%	37750
Aug	231.4	206.5	89.2%	88275
Sep	223.9	188.1	84.0%	53017
Okt	231.4	185.1	80.0%	66415
Nov	223.9	167.1	74.6%	28063
Dez	231.4	166.6	72.0%	24832
2022	**2724.7**	**2239.8**	**82.1%**	**463217**
Jan	231.4	205.2	88.7%	128842
Feb	209.0	172.3	82.4%	33205
Mrz	231.4	205.7	88.9%	34542
Apr	223.9	198.9	88.8%	36868
Mai	231.4	180.3	77.9%	43918
Jun	223.9	193.5	86.4%	28624
Jul	231.4	205.6	88.8%	27065
Aug	231.4	197.3	85.3%	27901
Sep	223.9	123.5	55.1%	18982
Okt	231.4	180.0	77.8%	23405
Nov	223.9	165.9	74.1%	28960
Dez	231.4	211.7	91.5%	30905
2021	**2724.7**	**2308.5**	**84.6%**	**684638**
2020	**2732.2**	**2104.1**	**77.0%**	**659920**
2019	**1142.1**	**830.1**	**72.8%**	**181474**
Total	**13869.9**	**11305.9**	**81.5%**	**3069625**

Mio_Max = max of potential usage
= walltime of month * number of cores
% = utilization = % of Max = Mio Core-h/Mio MAX


Mio Core-h
Utilization
250
200
150
100
50
0
100.0%
90.0%
80.0%
70.0%
60.0%
50.0%
40.0%
30.0%
20.0%
10.0%
0.0%
Mio_MAX
Mio Core-h
%
Jan Feb Mrz Apr Mai Jun Jul Aug Sep Okt Nov Dez
2020
2021
2022
2023
2024

Usage (core-h) by Job size

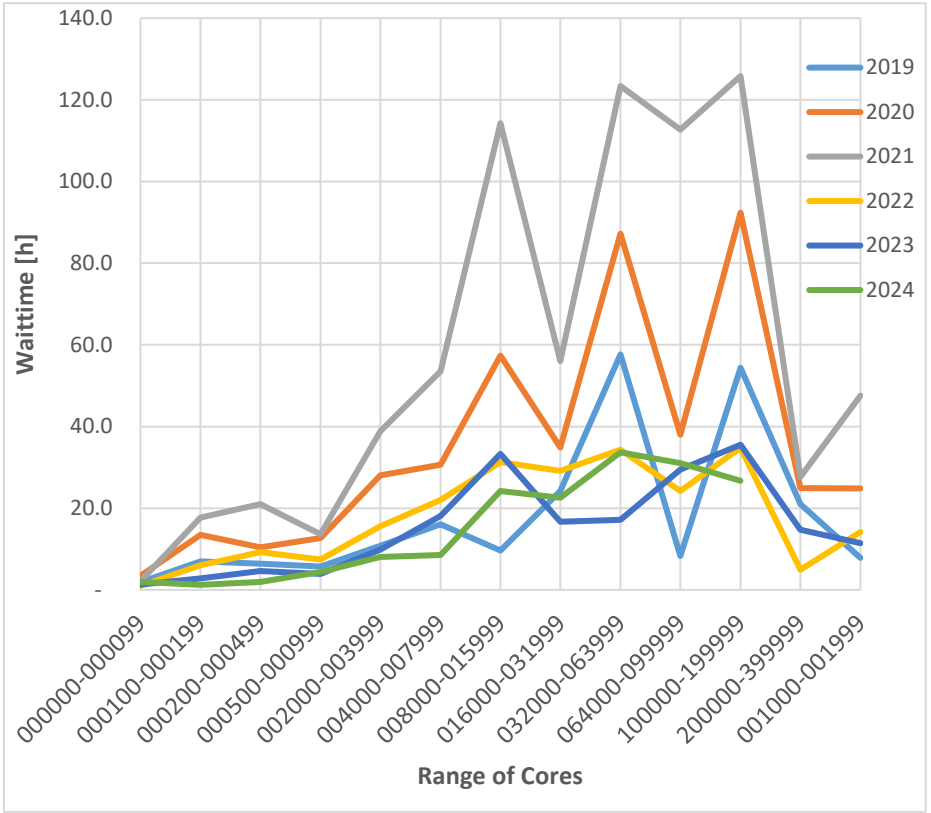
Usage by Job Size							
Range of cores	2019	2020	2021	2022	2023	2024	Total
000000-000099	0.5%	0.8%	0.5%	0.3%	0.9%	0.8%	0.6%
000100-000199	1.2%	1.3%	1.0%	1.3%	1.5%	1.2%	1.3%
000200-000499	3.8%	4.6%	2.5%	4.1%	3.1%	2.6%	3.4%
000500-000999	5.6%	9.7%	10.3%	8.9%	8.7%	8.9%	9.0%
001000-001999	10.0%	13.0%	11.2%	8.7%	9.2%	8.6%	10.2%
002000-003999	12.4%	17.6%	9.2%	15.8%	10.4%	11.4%	12.8%
004000-007999	20.2%	14.7%	12.0%	11.3%	10.3%	7.2%	12.0%
008000-015999	12.1%	12.2%	14.2%	14.9%	21.5%	15.4%	15.5%
016000-031999	15.6%	7.0%	12.7%	15.0%	13.8%	15.8%	12.9%
032000-063999	15.6%	9.4%	11.8%	9.4%	5.8%	14.3%	10.3%
064000-099999	1.8%	6.0%	4.1%	3.9%	7.4%	13.5%	6.2%
100000-199999	0.7%	2.5%	9.8%	6.3%	7.4%	0.5%	5.3%
200000-399999	0.3%	1.2%	0.8%	0.1%	0.0%	0.0%	0.4%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%



Wait time by Jobsize

Average Wait Time [hours] by Jobsize

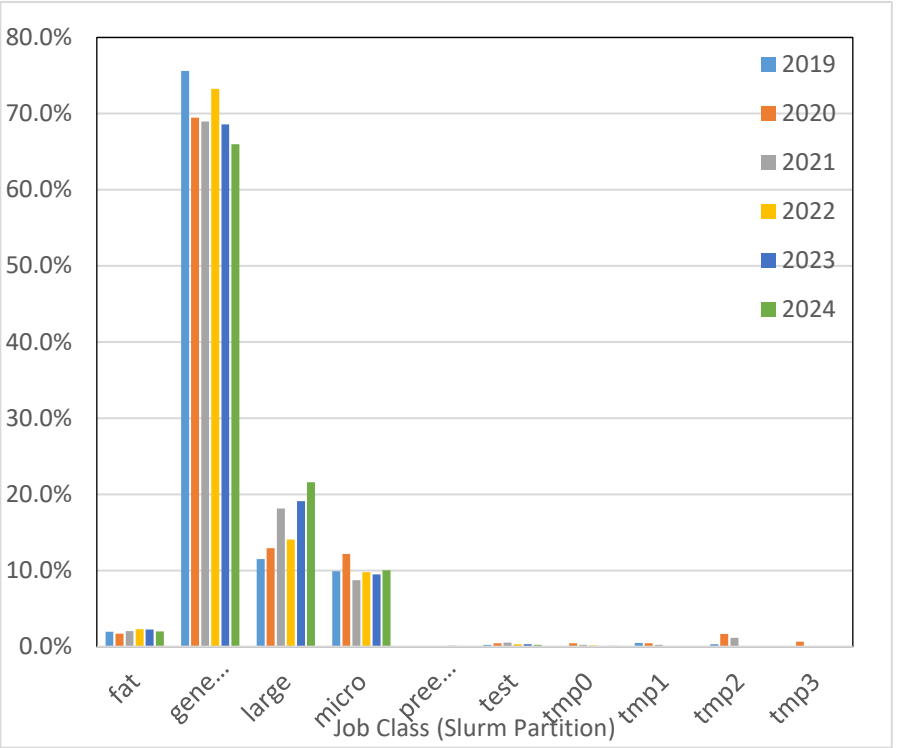
Avg. Wait Time [h] Jobsize [cores}]	2019	2020	2021	2022	2023	2024	Total
000000-000099	1.9	3.4	2.1	1.0	1.3	1.9	1.9
000100-000199	7.0	13.5	17.7	6.0	2.8	1.2	8.0
000200-000499	6.4	10.4	21.0	9.3	4.6	1.9	8.9
000500-000999	5.7	12.7	13.7	7.5	3.9	4.4	8.0
002000-003999	10.8	28.1	38.9	15.6	9.9	8.1	18.6
004000-007999	16.0	30.7	53.5	22.0	18.1	8.5	24.8
008000-015999	9.6	57.3	114.3	31.3	33.3	24.2	45.0
016000-031999	24.2	34.9	56.0	29.1	16.6	22.6	30.6
032000-063999	57.7	87.3	123.4	34.3	17.1	33.7	58.9
064000-099999	8.3	38.0	112.7	24.2	29.5	31.1	40.6
100000-199999	54.4	92.4	125.8	34.8	35.5	26.8	61.6
200000-399999	21.0	24.9	27.6	4.9	14.8		18.6
001000-001999	7.8	24.8	47.6	14.2	11.5	4.3	18.4
Total	**17.8**	**35.3**	**58.0**	**18.0**	**15.3**	**14.0**	**26.6**



Usage by Job Class

% Usage (core-h) by Jobclass

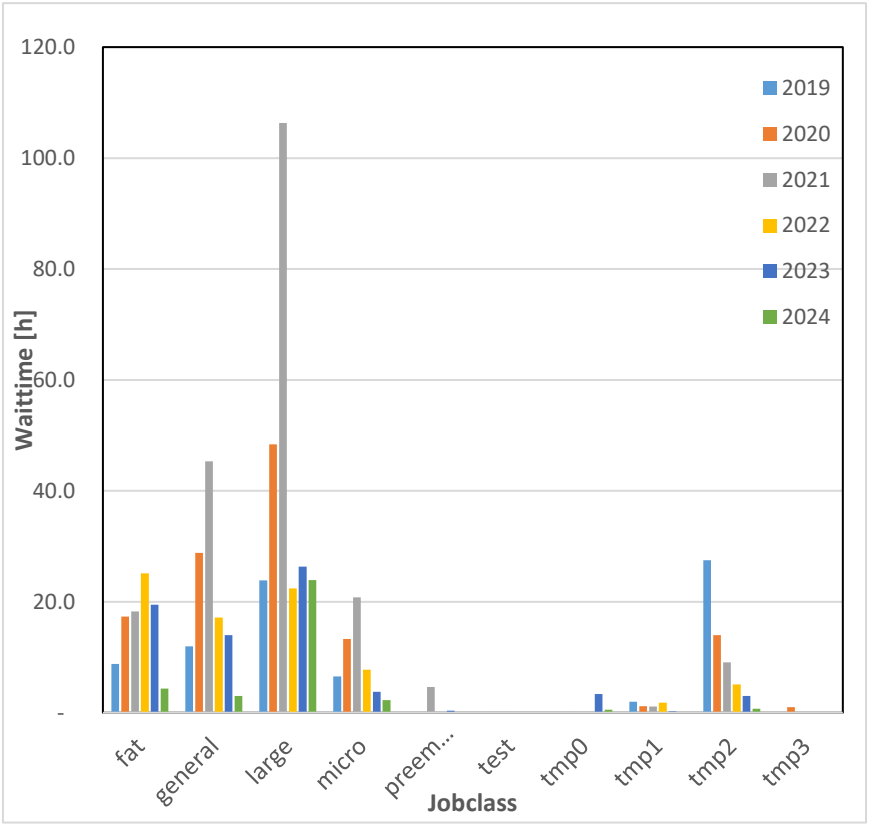
Usage	2019	2020	2021	2022	2023	2024	Total
fat	2.0%	1.7%	2.0%	2.3%	2.3%	2.0%	2.1%
general	75.6%	69.5%	69.0%	73.3%	68.6%	66.0%	69.9%
large	11.5%	12.9%	18.2%	14.1%	19.1%	21.6%	16.5%
micro	9.9%	12.2%	8.7%	9.8%	9.5%	10.0%	10.0%
preempt	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
test	0.2%	0.5%	0.5%	0.3%	0.3%	0.2%	0.4%
tmp0	0.0%	0.5%	0.2%	0.2%	0.0%	0.1%	0.2%
tmp1	0.5%	0.4%	0.2%	0.1%	0.0%	0.0%	0.2%
tmp2	0.3%	1.7%	1.1%	0.1%	0.0%	0.0%	0.6%
tmp3	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.1%
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**



Waittime by Job Class

Average Wait Time [hours] by Jobclass

Avg Wait_h	2019	2020	2021	2022	2023	2024	Total
fat	8.8	17.3	18.3	25.1	19.4	4.4	15.6
general	12.0	28.8	45.3	17.2	14.0	3.0	17.6
large	23.9	48.4	106.3	22.4	26.3	23.9	39.3
micro	6.6	13.3	20.8	7.7	3.8	2.3	9.1
preempt	na	na	4.6	na	0.4	0.1	1.7
test	0.1	0.1	0.1	0.0	0.0	0.1	0.1
tmp0	na	0.2	0.0	0.1	3.4	0.6	0.8
tmp1	2.0	1.2	1.2	1.8	0.2	na	1.3
tmp2	27.5	14.0	9.1	5.1	3.0	0.7	8.6
tmp3	na	1.0	0.0	na	na	na	0.5
Total	**11.5**	**13.8**	**20.6**	**9.9**	**7.8**	**5.2**	**11.3**



Usage by Research Area (DFG Classification Level 2, 3 and 4)

LV2 LV3 LV4

Usage	2019	2020	2021	2022	2023	2024	Total
Physics	**57.8%**	**52.9%**	**56.0%**	**53.3%**	**57.9%**	**57.9%**	**55.7%**
Particles, Nuclei and Fields	**26.8%**	**25.8%**	**20.5%**	**20.0%**	**29.1%**	**29.1%**	**24.8%**
Nuclear and Elementary Particle Physics, Quantum Mechanics, Relativity, Fields	26.8%	25.8%	20.5%	20.0%	29.1%	29.1%	24.8%
Astrophysics and Astronomy	**20.8%**	**16.7%**	**19.3%**	**19.4%**	**13.5%**	**12.0%**	**16.8%**
Astrophysics and Astronomy	20.8%	16.7%	19.3%	19.4%	13.5%	12.0%	16.8%
Condensed Matter Physics	**9.7%**	**8.2%**	**13.6%**	**10.7%**	**11.9%**	**13.5%**	**11.4%**
Theoretical Condensed Matter Physics	9.7%	7.4%	13.1%	10.6%	11.9%	13.5%	11.1%
Experimental Condensed Matter Physics	0.0%	0.8%	0.5%	0.1%	0.0%	0.0%	0.3%
Optics, Quantum Optics and Physics of Atoms, Molecules and Plasmas	**0.5%**	**2.1%**	**2.5%**	**3.2%**	**1.7%**	**2.7%**	**2.3%**
Optics, Quantum Optics, Atoms, Molecules, Plasmas	0.5%	2.1%	2.5%	3.2%	1.7%	2.7%	2.3%
Statistical Physics, Soft Matter, Biological Physics, Nonlinear Dynamics	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**1.7%**	**0.5%**	**0.4%**
Statistical Physics, Soft Matter, Biological Physics, Nonlinear Dynamics	0.0%	0.0%	0.0%	0.0%	1.7%	0.5%	0.4%
Thermal Engineering/ Process Engineering	**26.5%**	**27.3%**	**22.2%**	**28.5%**	**27.4%**	**26.8%**	**26.4%**
Heat Energy Technology, Thermal Machines, Fluid Mechanics	**26.5%**	**26.8%**	**22.2%**	**26.1%**	**26.7%**	**26.8%**	**25.7%**
Fluid Mechanics	26.4%	22.3%	19.1%	25.8%	26.5%	22.7%	23.5%
Technical Thermodynamics	0.1%	4.4%	3.1%	0.3%	0.2%	0.1%	1.6%
Energy Process Engineering	0.0%	0.2%	0.0%	0.0%	0.0%	4.1%	0.6%
Hydraulic and Turbo Engines and Piston Engines	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Process Engineering, Technical Chemistry	**0.1%**	**0.5%**	**0.0%**	**2.4%**	**0.7%**	**0.0%**	**0.7%**
Chemical and Thermal Process Engineering	0.0%	0.0%	0.0%	2.4%	0.7%	0.0%	0.6%
Biological Process Engineering	0.1%	0.5%	0.0%	0.0%	0.0%	0.0%	0.1%
Geosciences	**4.9%**	**2.6%**	**5.9%**	**4.2%**	**5.8%**	**5.3%**	**4.8%**
Atmospheric Science, Oceanography and Climate Research	**0.9%**	**0.3%**	**2.1%**	**2.1%**	**4.3%**	**3.6%**	**2.3%**
Atmospheric Science	0.9%	0.3%	2.1%	2.1%	4.3%	3.6%	2.3%
Geophysics and Geodesy	**0.9%**	**1.3%**	**3.2%**	**1.7%**	**1.2%**	**0.8%**	**1.6%**
Geophysics	0.5%	0.8%	2.5%	1.4%	1.1%	0.7%	1.3%
Geodesy, Photogrammetry, Remote Sensing, Geoinformatics, Cartography	0.3%	0.5%	0.7%	0.3%	0.0%	0.1%	0.3%
Geochemistry, Mineralogy and Crystallography	**3.2%**	**0.9%**	**0.3%**	**0.2%**	**0.3%**	**0.5%**	**0.6%**
Geochemistry, Mineralogy and Crystallography	3.2%	0.9%	0.3%	0.2%	0.3%	0.5%	0.6%
Water Research	**0.0%**	**0.0%**	**0.2%**	**0.2%**	**0.1%**	**0.5%**	**0.2%**
Hydrogeology, Hydrology, Limnology, Urban Water Management, Water Chemistry, Integrated Water Resources Management	0.0%	0.0%	0.2%	0.2%	0.1%	0.5%	0.2%
Geography	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
Physical Geography	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Chemistry	**1.2%**	**5.0%**	**4.7%**	**5.7%**	**2.1%**	**2.7%**	**3.9%**

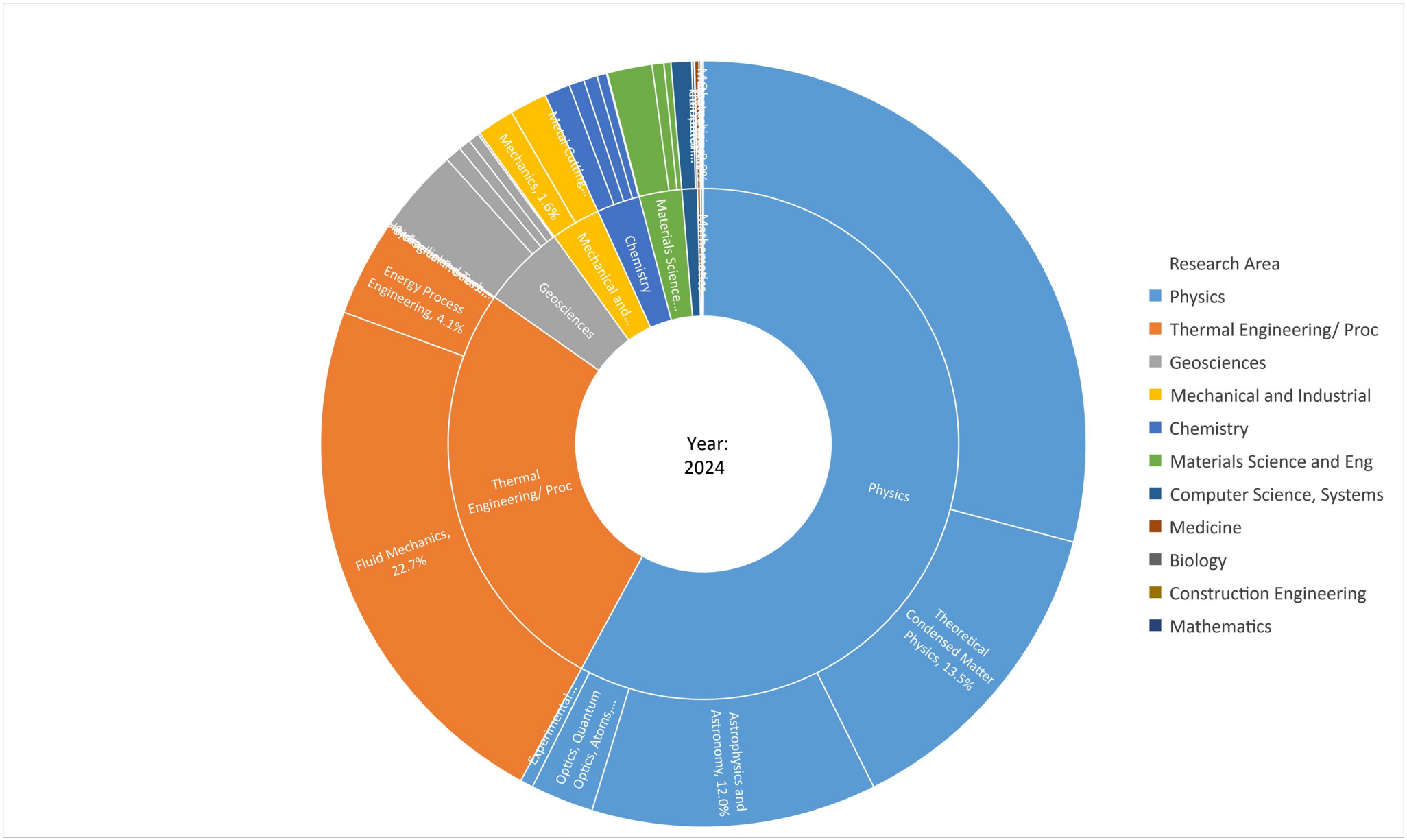
Usage by Research Area

Che **Physical and Theoretical Chemistry**	**0.3%**	**1.3%**	**2.7%**	**2.7%**	**0.9%**	**1.1%**	**1.7%**
Physical Chemistry of Molecules, Interfaces and Liquids - Spectroscopy, Kinetics	0.0%	0.4%	2.0%	1.5%	0.9%	1.1%	1.1%
General Theoretical Chemistry	0.3%	0.9%	0.8%	1.2%	0.0%	0.0%	0.6%
Chemical Solid State and Surface Research	**0.9%**	**1.5%**	**0.5%**	**1.8%**	**0.9%**	**1.0%**	**1.1%**
Theory and Modelling	0.9%	1.5%	0.4%	0.4%	0.6%	0.6%	0.7%
Physical Chemistry of Solids and Surfaces, Material Characterisation	0.0%	0.0%	0.1%	1.4%	0.3%	0.4%	0.4%
Solid State and Surface Chemistry, Material Synthesis	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Biological Chemistry and Food Chemistry	**0.0%**	**2.3%**	**1.4%**	**1.2%**	**0.1%**	**0.6%**	**1.0%**
Biological and Biomimetic Chemistry	0.0%	2.3%	1.4%	1.2%	0.1%	0.6%	1.0%
Molecular Chemistry	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.2%**	**0.0%**	**0.0%**
Inorganic Molecular Chemistry	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
Biology	**4.2%**	**5.2%**	**5.3%**	**2.8%**	**0.7%**	**0.1%**	**3.1%**
Basic Biological and Medical Research	**4.2%**	**5.2%**	**5.3%**	**2.1%**	**0.5%**	**0.1%**	**2.9%**
Bioinformatics and Theoretical Biology	1.8%	2.1%	4.6%	1.3%	0.0%	0.0%	1.7%
Biophysics	1.1%	2.5%	0.6%	0.8%	0.5%	0.1%	0.9%
Biochemistry	1.3%	0.5%	0.1%	0.0%	0.0%	0.0%	0.2%
General Genetics	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Structural Biology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Cell Biology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Zoology	**0.0%**	**0.0%**	**0.0%**	**0.7%**	**0.2%**	**0.0%**	**0.2%**
Evolution, Anthropology	0.0%	0.0%	0.0%	0.7%	0.2%	0.0%	0.2%
Computer Science, Systems and Electrical Engineering	**2.3%**	**1.9%**	**2.5%**	**2.3%**	**0.8%**	**1.0%**	**1.8%**
Computer Science	**2.3%**	**1.9%**	**2.5%**	**2.3%**	**0.8%**	**0.9%**	**1.8%**
Massively Parallel and Data-Intensive Systems	2.2%	1.9%	2.5%	1.9%	0.8%	0.9%	1.7%
Computer Architecture and Embedded Systems	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.1%
Interactive and Intelligent Systems, Image and Language Processing, Computer Graphics and Visualisation	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Theoretical Computer Science	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Operating, Communication, Database and Distributed Systems	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Systems Engineering	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**	**0.0%**
Traffic and Transport Systems, Logistics, Intelligent and Automated Traffic	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Electrical Engineering and Information Technology	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
Electronic Semiconductors, Components, Circuits, Systems	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mechanical and Industrial Engineering	**0.7%**	**1.4%**	**0.7%**	**0.6%**	**2.3%**	**3.2%**	**1.5%**
Mechanics and Constructive Mechanical Engineering	**0.7%**	**1.4%**	**0.7%**	**0.6%**	**2.3%**	**3.2%**	**1.5%**
Engineering Design, Machine Elements, Product Development	0.6%	0.5%	0.5%	0.6%	1.0%	1.6%	0.8%
Mechanics	0.1%	0.9%	0.2%	0.0%	1.2%	1.6%	0.7%
Acoustics	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Production Technology	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**

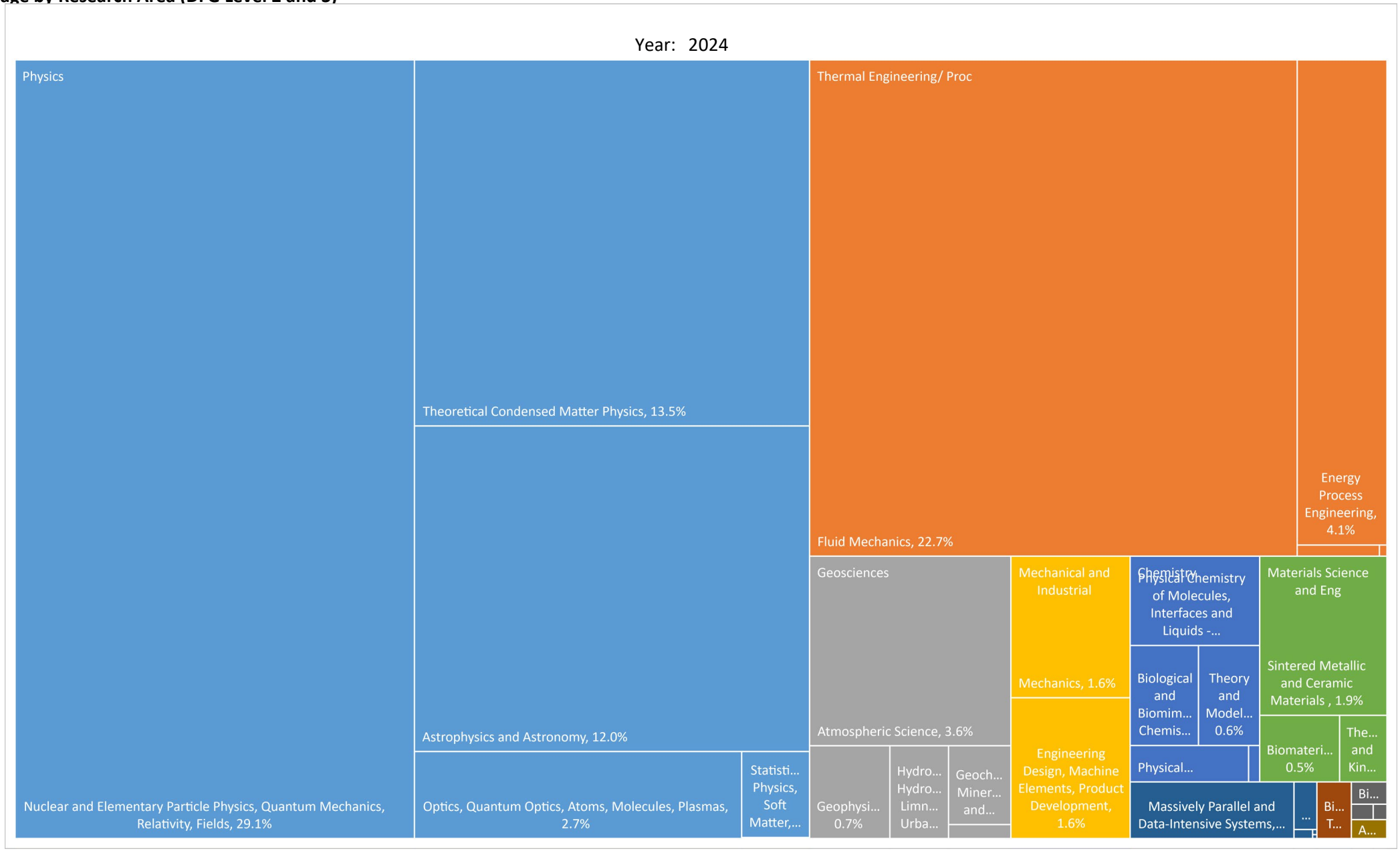
Usage by Research Area

Me	Pr	Metal-Cutting Manufacturing Engineering	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Materials Science and Engineering			**1.5%**	**1.5%**	**0.6%**	**0.5%**	**1.9%**	**2.7%**	**1.4%**
	Materials Science		**1.5%**	**1.5%**	**0.6%**	**0.5%**	**1.1%**	**0.8%**	**0.9%**
		Thermodynamics and Kinetics of Materials	1.5%	1.5%	0.5%	0.5%	0.2%	0.3%	0.7%
		Biomaterials	0.0%	0.0%	0.1%	0.0%	0.9%	0.5%	0.3%
	Materials Engineering		**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.8%**	**1.9%**	**0.4%**
		Sintered Metallic and Ceramic Materials	0.0%	0.0%	0.0%	0.0%	0.8%	1.9%	0.4%
Medicine			**0.6%**	**1.9%**	**1.8%**	**1.7%**	**0.6%**	**0.2%**	**1.2%**
	Medicine		**0.6%**	**1.9%**	**1.8%**	**1.7%**	**0.6%**	**0.2%**	**1.2%**
		Biomedical Technology and Medical Physics	0.6%	1.9%	1.8%	1.7%	0.6%	0.2%	1.2%
		Epidemiology, Medical Biometry, Medical Informatics	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Microbiology, Virology and Immunology		**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
		Virology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Construction Engineering and Architecture			**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.4%**	**0.1%**	**0.2%**
	Construction Engineering and Architecture		**0.1%**	**0.1%**	**0.1%**	**0.2%**	**0.4%**	**0.1%**	**0.2%**
		Applied Mechanics, Statics and Dynamics	0.1%	0.1%	0.1%	0.2%	0.4%	0.1%	0.2%
		Geotechnics, Hydraulic Engineering	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Mathematics			**0.2%**	**0.1%**	**0.1%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**
	Mathematics		**0.2%**	**0.1%**	**0.1%**	**0.0%**	**0.0%**	**0.0%**	**0.1%**
		Mathematics	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%
Agriculture, Forestry and Veterinary Medicine			**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
	Agriculture, Forestry and Veterinary Medicine		**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**
		Basic Research on Pathogenesis, Diagnostics and Therapy and Clinical Veterinary Medicine	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total			**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Usage by Research Area (DFG Level 2 and 3)



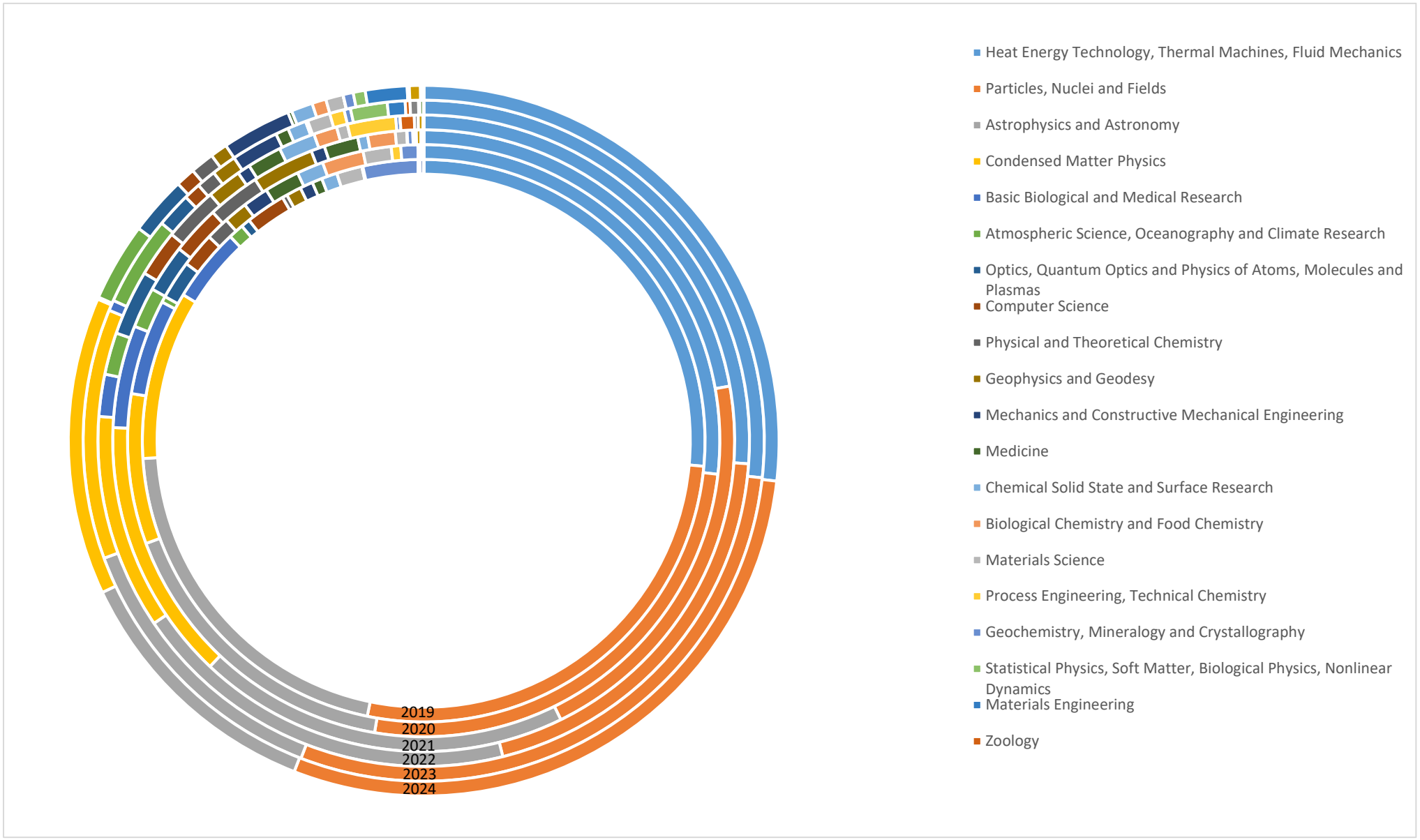
Usage by Research Area (DFG Level 2 and 3)

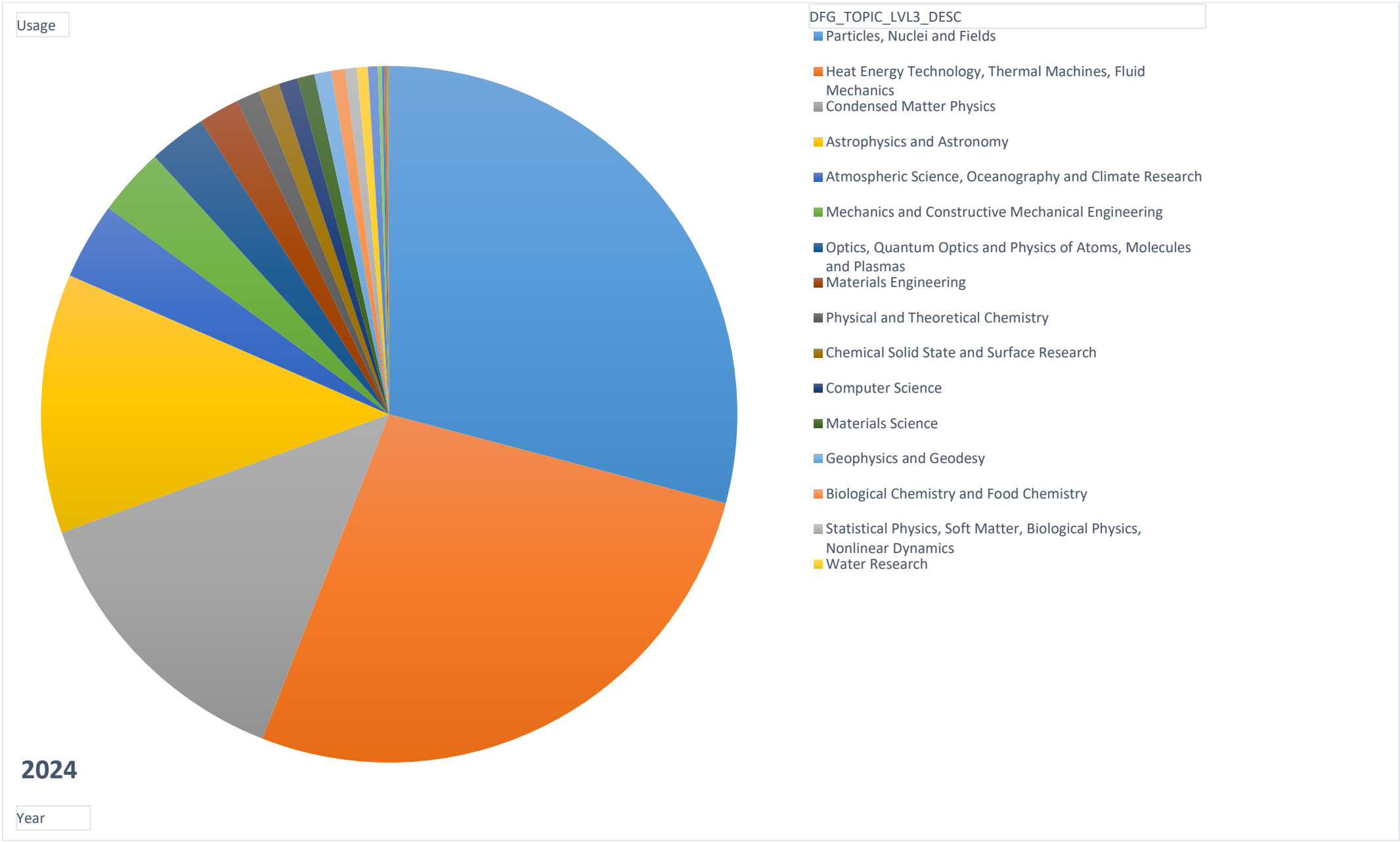


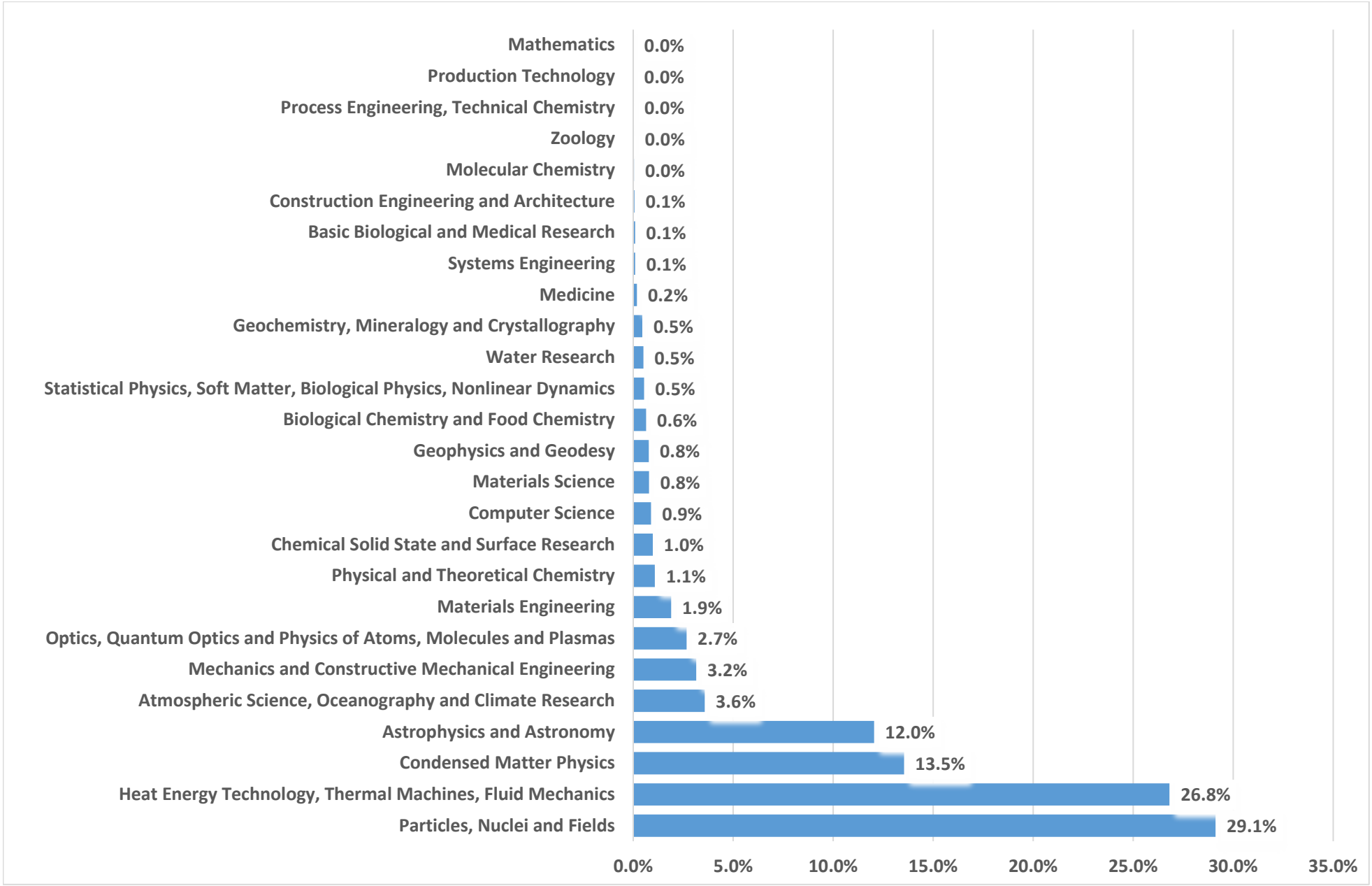
Usage by research Area (DFG Level 3)

Usage	Year						
DFG_TOPIC_LVL3_DESC	2019	2020	2021	2022	2023	2024	Total
Heat Energy Technology, Thermal Machines, Fluid Mechanics	26.5%	26.8%	22.2%	26.1%	26.7%	26.8%	25.7%
Particles, Nuclei and Fields	26.8%	25.8%	20.5%	20.0%	29.1%	29.1%	24.8%
Astrophysics and Astronomy	20.8%	16.7%	19.3%	19.4%	13.5%	12.0%	16.8%
Condensed Matter Physics	9.7%	8.2%	13.6%	10.7%	11.9%	13.5%	11.4%
Basic Biological and Medical Research	4.2%	5.2%	5.3%	2.1%	0.5%	0.1%	2.9%
Atmospheric Science, Oceanography and Climate Research	0.9%	0.3%	2.1%	2.1%	4.3%	3.6%	2.3%
Optics, Quantum Optics and Physics of Atoms, Molecules and Plasmas	0.5%	2.1%	2.5%	3.2%	1.7%	2.7%	2.3%
Computer Science	2.3%	1.9%	2.5%	2.3%	0.8%	0.9%	1.8%
Physical and Theoretical Chemistry	0.3%	1.3%	2.7%	2.7%	0.9%	1.1%	1.7%
Geophysics and Geodesy	0.9%	1.3%	3.2%	1.7%	1.2%	0.8%	1.6%
Mechanics and Constructive Mechanical Engineering	0.7%	1.4%	0.7%	0.6%	2.3%	3.2%	1.5%
Medicine	0.6%	1.9%	1.8%	1.7%	0.6%	0.2%	1.2%
Chemical Solid State and Surface Research	0.9%	1.5%	0.5%	1.8%	0.9%	1.0%	1.1%
Biological Chemistry and Food Chemistry	0.0%	2.3%	1.4%	1.2%	0.1%	0.6%	1.0%
Materials Science	1.5%	1.5%	0.6%	0.5%	1.1%	0.8%	0.9%
Process Engineering, Technical Chemistry	0.1%	0.5%	0.0%	2.4%	0.7%	0.0%	0.7%
Geochemistry, Mineralogy and Crystallography	3.2%	0.9%	0.3%	0.2%	0.3%	0.5%	0.6%
Statistical Physics, Soft Matter, Biological Physics, Nonlinear Dynamics	0.0%	0.0%	0.0%	0.0%	1.7%	0.5%	0.4%
Materials Engineering	0.0%	0.0%	0.0%	0.0%	0.8%	1.9%	0.4%
Zoology	0.0%	0.0%	0.0%	0.7%	0.2%	0.0%	0.2%
Construction Engineering and Architecture	0.1%	0.1%	0.1%	0.2%	0.4%	0.1%	0.2%
Water Research	0.0%	0.0%	0.2%	0.2%	0.1%	0.5%	0.2%
Mathematics	0.2%	0.1%	0.1%	0.0%	0.0%	0.0%	0.1%
Molecular Chemistry	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
Systems Engineering	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Production Technology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agriculture, Forestry and Veterinary Medicine	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Electrical Engineering and Information Technology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Geography	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Microbiology, Virology and Immunology	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**	**100.0%**

Usage By Research Area (DFG Lvevel 3)




Usage
DFG_TOPIC_LVL3_DESC
Particles, Nuclei and Fields
Heat Energy Technology, Thermal Machines, Fluid Mechanics
Condensed Matter Physics
Astrophysics and Astronomy
Atmospheric Science, Oceanography and Climate Research
Mechanics and Constructive Mechanical Engineering
Optics, Quantum Optics and Physics of Atoms, Molecules and Plasmas
Materials Engineering
Physical and Theoretical Chemistry
Chemical Solid State and Surface Research
Computer Science
Materials Science
Geophysics and Geodesy
Biological Chemistry and Food Chemistry
Statistical Physics, Soft Matter, Biological Physics, Nonlinear Dynamics
Water Research
2024
Year


Mathematics 0.0%
Production Technology 0.0%
Process Engineering, Technical Chemistry 0.0%
Zoology 0.0%
Molecular Chemistry 0.0%
Construction Engineering and Architecture 0.1%
Basic Biological and Medical Research 0.1%
Systems Engineering 0.1%
Medicine 0.2%
Geochemistry, Mineralogy and Crystallography 0.5%
Water Research 0.5%
Statistical Physics, Soft Matter, Biological Physics, Nonlinear Dynamics 0.5%
Biological Chemistry and Food Chemistry 0.6%
Geophysics and Geodesy 0.8%
Materials Science 0.8%
Computer Science 0.9%
Chemical Solid State and Surface Research 1.0%
Physical and Theoretical Chemistry 1.1%
Materials Engineering 1.9%
Optics, Quantum Optics and Physics of Atoms, Molecules and Plasmas 2.7%
Mechanics and Constructive Mechanical Engineering 3.2%
Atmospheric Science, Oceanography and Climate Research 3.6%
Astrophysics and Astronomy 12.0%
Condensed Matter Physics 13.5%
Heat Energy Technology, Thermal Machines, Fluid Mechanics 26.8%
Particles, Nuclei and Fields 29.1%
0.0% 5.0% 10.0% 15.0% 20.0% 25.0% 30.0% 35.0%