

Multidisciplinary  
Cooperative Research  
Program 2022

Report of Contributions

Contribution ID : 1

Type : MCRP-M

## Quantum dynamics in nuclei and neutron stars

Email

nakatsukasa@nucl.ph.tsukuba.ac.jp

Number of project members

8

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i001]

Wisteria: Requested [awarded] node-hour product

200,000 [153,000]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : NAKATSUKASA, Takashi (University of Tsukuba)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 2

Type : MCRP-M

## Microscopic description of the collective motions of medium-heavy nuclei based on shell-model calculations

Email

shimizu@cns.s.u-tokyo.ac.jp

Number of project members

5

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i002]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[30]

Primary author(s) : SHIMIZU, Noritaka (Center for Nuclear Study, the University of Tokyo)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 3

Type : MCRP-S

## Development of star evolution model for globular cluster simulation code

Email

tanikawa@ea.c.u-tokyo.ac.jp

Number of project members

1

Cygnus: Project code

[TRANSIENT]

Cygnus: Requested [awarded] node-hour product

4,000 [3,600]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : TANIKAWA, Ataru

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 4

Type : MCRP-S

## Development of Optimization Algorithm for Order/ Radix Problem

Email

masahiro.nakao@riken.jp

Number of project members

4

Cygnus: Project code

[GG]

Cygnus: Requested [awarded] node-hour product

5,000 [4,500]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i004]

Wisteria: Requested [awarded] node-hour product

50,000 [31,500]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : Dr NAKAO, Masahiro (RIKEN)

Track Classification : High-performance computing system(超高速計算システム分野)

Contribution ID : 5

Type : MCRP-S

## Development of GPU code of quasiparticle random-phase approximation

Email

jun.terasaki@cvut.cz

Number of project members

1

Cygnus: Project code

[NUCBETA]

Cygnus: Requested [awarded] node-hour product

[160]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : TERASAKI, Jun (Czech Technical University in Prague)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 6

Type : MCRP-S

## Structure Formation in the Universe using Radiation Transfer and Radiation Hydrodynamics Simulations

Email

ohsuga@ccs.tsukuba.ac.jp

Number of project members

32

Cygnus: Project code

[RTRHD]

Cygnus: Requested [awarded] node-hour product

4,780 [3,872]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i006]

Wisteria: Requested [awarded] node-hour product

49,600 [44,640]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : Dr OHSUGA, Ken (University of Tsukuba)

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 7

Type : MCRP-M

## Statistics of voltage distribution in variable-range hopping

Email

toshiaki.hayashi.kt@hco.ntt.co.jp

Number of project members

3

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i007]

Wisteria: Requested [awarded] node-hour product

250,000 [116,875]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : Dr HAYASHI, Toshiaki (NTT Basic Research Laboratories)

Track Classification : Material Science(物質科学分野)



Contribution ID : 8

Type : MCRP-M

## Developments of in Silico Methods for Middle-Molecule Drug Discovery

Email

ryuhei@ccs.tsukuba.ac.jp

Number of project members

6

Cygnus: Project code

[LSC]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[30]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : Dr HARADA, ryuhei (Center for Computational Sciences, University of Tsukuba)

Track Classification : Life Science(生命分野)

Contribution ID : 9

Type : MCRP-S

## Theoretical Studies on Dynamics of Atoms and Molecules in Strong Laser Fields

Email

tong.xiaomin.ga@u.tsukuba.ac.jp

Number of project members

1

Cygnus: Project code

[LASER]

Cygnus: Requested [awarded] node-hour product

4,000 [3,600]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i009]

Wisteria: Requested [awarded] node-hour product

40,000 [36,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : TONG, Xiao-Min (Center for Computational Science, University of Tsukuba, Japan)

Track Classification : Material Science(物質科学分野)

Contribution ID : 10

Type : MCRP-L

## Search for physics beyond the standard model from 2+1 +1 Flavor Lattice QCD with the Physical Quark Masses

Email

ishikawa@theo.phys.sci.hiroshima-u.ac.jp

Number of project members

5

Cygnus: Project code

[LATTICE]

Cygnus: Requested [awarded] node-hour product

50,000 [45,000]

Cygnus: Requested [awarded] disk capacity (TB)

[50]

Wisteria-O: Project code

[wo22i010]

Wisteria: Requested [awarded] node-hour product

[800,000] [update 1,600,000]

Wisteria: Requested [awarded] disk capacity (TB)

[100]

Primary author(s) : ISHIKAWA, Ken-Ichi (Hiroshima University)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 11

Type : MCRP-S

## Statistical mechanics analysis for biomolecular functions

Email

noriwo@nagoya-u.jp

Number of project members

1

Cygnus: Project code

No

Cygnus: Requested [awarded] node-hour product

3,500 [2,835]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : YOSHIDA, Norio (Kyushu University)

Track Classification : Chemistry(化学分野)

Contribution ID : 12

Type : MCRP-L

## Particle Physics with Tensor Network Scheme

Email

kuramasi@het.ph.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[TRG]

Cygnus: Requested [awarded] node-hour product

10,000 [6,300]

Cygnus: Requested [awarded] disk capacity (TB)

[20]

Wisteria-O: Project code

[wo22i012]

Wisteria: Requested [awarded] node-hour product

[800,000]

Wisteria: Requested [awarded] disk capacity (TB)

[30]

Primary author(s) : KURAMASHI, Yoshinobu

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 13

Type : MCRP-M

## Nucleon structure from lattice QCD at the physical point

Email

ssasaki@nucl.phys.tohoku.ac.jp

Number of project members

4

Cygnus: Project code

[NUCLFF]

Cygnus: Requested [awarded] node-hour product

50,000 [9,800]

Cygnus: Requested [awarded] disk capacity (TB)

[100]

Wisteria-O: Project code

[wo22i013]

Wisteria: Requested [awarded] node-hour product

800,000 [212,500] [update 425,000]

Wisteria: Requested [awarded] disk capacity (TB)

[200]

Primary author(s) : SASAKI, Shoichi (Tohoku University)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 14

Type : MCRP-S

## Phylogenomic study for understanding the global eukaryotic phylogeny

Email

yuji@ccs.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i014]

Wisteria: Requested [awarded] node-hour product

10,000 [9,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : INAGAKI, Yuji (Center for Computational Sciences, University of Tsukuba)

Track Classification : Biology(生物分野)

Contribution ID : 15

Type : MCRP-M

## Molecular dynamics simulations for nano-bio integrated systems

Email

shigeta@ccs.tsukuba.ac.jp

Number of project members

7

Cygnus: Project code

[CPMDC]

Cygnus: Requested [awarded] node-hour product

10,240 [7,168]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : SHIGETA, Yasuteru (Center for Computational Sciences, University of Tsukuba)

Track Classification : Life Science(生命分野)



Contribution ID : 16

Type : MCRP-S

## Study on low-excitation modes of nuclei and their linkage to nucleonic interaction based on self-consistent mean-field theory

Email

nakada@faculty.chiba-u.jp

Number of project members

2

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i016]

Wisteria: Requested [awarded] node-hour product

40,000 [36,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : NAKADA, Hitoshi (Chiba University)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 17

Type : MCRP-L

## Calculation of physical quantities of hadrons near physical quark masses from lattice QCD

Email

yamazaki@het.ph.tsukuba.ac.jp

Number of project members

5

Cygnus: Project code

[LATNUC]

Cygnus: Requested [awarded] node-hour product

50,000 [45,000]

Cygnus: Requested [awarded] disk capacity (TB)

[100]

Wisteria-O: Project code

[wo22i017]

Wisteria: Requested [awarded] node-hour product

[800,000]

Wisteria: Requested [awarded] disk capacity (TB)

[100]

Primary author(s) : YAMAZAKI, Takeshi (University of Tsukuba)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 18

Type : MCRP-S

## Study on numerical library on many-core/GPU clusters

Email

daisuke@cs.tsukuba.ac.jp

Number of project members

6

Cygnus: Project code

[NUMLIB]

Cygnus: Requested [awarded] node-hour product

5,000 [4,500]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i018]

Wisteria: Requested [awarded] node-hour product

50,000 [45,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : TAKAHASHI, Daisuke (University of Tsukuba)

Track Classification : High-performance computing system(超高速計算システム分野)

Contribution ID : 19

Type : MCRP-M

## Radiative transfer simulations and machine learning for near-infrared imaging of the human head

Email

yajima@ccs.tsukuba.ac.jp

Number of project members

8

Cygnus: Project code

RT810img [RT810IMG]

Cygnus: Requested [awarded] node-hour product

18,000 [11,340]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i019]

Wisteria: Requested [awarded] node-hour product

220,000 [187,000]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : YAJIMA, Hidenobu

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 20

Type : MCRP-M

## Development and Application of Large Eddy Simulation Model for Urban Areas

Email

sato.takuto.gu@u.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[LES]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[50]

Wisteria-O: Project code

[wo22i020]

Wisteria: Requested [awarded] node-hour product

200,000 [170,000]

Wisteria: Requested [awarded] disk capacity (TB)

[50]

Primary author(s) : SATO, Takuto (Center for Computational Sciences, University of Tsukuba)

Track Classification : Global environment(地球環境分野)

Contribution ID : 21

Type : MCRP-M

## Strong CP problem in QCD on the lattice

Email

ryuichiro.kitano@kek.jp

Number of project members

5

Cygnus: Project code

[STRONGCPC]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[60]

Wisteria-O: Project code

[wo22i021]

Wisteria: Requested [awarded] node-hour product

250,000 [148,750]

Wisteria: Requested [awarded] disk capacity (TB)

[60]

Primary author(s) : KITANO, Ryuichiro (KEK)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 22

Type : MCRP-S

## Numerical search of flux-constant states in turbulence

Email

yoshida.kyo.fu@u.tsukuba.ac.jp

Number of project members

1

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i022]

Wisteria: Requested [awarded] node-hour product

40,000 [36,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : YOSHIDA, Kyo (University of Tsukuba)

Track Classification : Material Science(物質科学分野)

Contribution ID : 23

Type : MCRP-M

## Formation and evolution of local galaxies

Email

mmori@ccs.tsukuba.ac.jp

Number of project members

7

Cygnus: Project code

[GALAXY]

Cygnus: Requested [awarded] node-hour product

11,000 [5,390]

Cygnus: Requested [awarded] disk capacity (TB)

[150]

Wisteria-O: Project code

[wo22i023]

Wisteria: Requested [awarded] node-hour product

190,000 [161,500]

Wisteria: Requested [awarded] disk capacity (TB)

[150]

Primary author(s) : MORI, Masao (University of Tsukuba)

Co-author(s) : Dr MIKI, Yohei (University of Tokyo); Dr KIRIHARA, Takanobu (Konan University); Ms KANEDA, Yuka (University of Tsukuba); Mr TANAKA, Shunji (University of Tsukuba); Ms HOTTA, Ayami (University of Tsukuba); Mr OTAKI, Koki (University of Tsukuba)



Track Classification : Astrophysics(宇宙分野)

Contribution ID : 24

Type : MCRP-S

## Evaluation of nuclear matrix element of neutrinoless double-beta decay using the proton-neutron finite-amplitude method

Email

hinohara@nucl.ph.tsukuba.ac.jp

Number of project members

1

Cygnus: Project code

[GCM]

Cygnus: Requested [awarded] node-hour product

1,000 [630]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i024]

Wisteria: Requested [awarded] node-hour product

50,000 [45,000]

Wisteria: Requested [awarded] disk capacity (TB)

[20]

Primary author(s) : Dr HINOHARA, Nobuo (University of Tsukuba)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 25

Type : MCRP-S

## Research on Stratospheric Sudden Warming using Atmospheric General Circulation Models

Email

tanaka@ccs.tsukuba.ac.jp

Number of project members

2

Cygnus: Project code

[GEO]

Cygnus: Requested [awarded] node-hour product

1,000 [630]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i025]

Wisteria: Requested [awarded] node-hour product

10,000 [6,300]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : Prof. TANAKA, Hiroshi (University of Tsukuba, CCS)

Track Classification : Global environment(地球環境分野)

Contribution ID : 26

Type : MCRP-M

## First-principles analysis on attosecond spectroscopy

Email

ssato@ccs.tsukuba.ac.jp

Number of project members

1

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i026]

Wisteria: Requested [awarded] node-hour product

250,000 [191,250] [update 241,250]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : SATO, Shunsuke (University of Tsukuba)

Track Classification : Material Science(物質科学分野)

Contribution ID : 27

Type : MCRP-M

## Study of QCD with finite temperature

Email

nakamura@riken.jp

Number of project members

5

Cygnus: Project code

[XQCD]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i027]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : NAKAMURA, Yoshifumi (RIKEN)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 28

Type : MCRP-M

## Development of next generation parallel algorithms and software for solving large-scale eigenvalue problems

Email

sakurai@cs.tsukuba.ac.jp

Number of project members

8

Cygnus: Project code

[NGNAS]

Cygnus: Requested [awarded] node-hour product

5,000 [3,150]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i028]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : SAKURAI, Tetsuya (University of Tsukuba)

Track Classification : Numerical analysis(数値解析分野)

Contribution ID : 29

Type : MCRP-M

## Machine Learning-based (MLD) for Ligand-binding Site Prediction

Email

kowith@ccs.tsukuba.ac.jp

Number of project members

5

Cygnus: Project code

B10SimJP [B10SIMJP]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : Dr HENGPHASATPORN, Kowit

Co-author(s) : Dr RUNGROTMONGKOL, Thanyada

Track Classification : Life Science(生命分野)

Contribution ID : 30

Type : MCRP-M

## First-principles study on redox reaction process at solid/liquid interfaces

Email

otani@ccs.tsukuba.ac.jp

Number of project members

3

Cygnus: Project code

[EIS00001]

Cygnus: Requested [awarded] node-hour product

20,000 [13,860]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i030]

Wisteria: Requested [awarded] node-hour product

250,000 [210,375]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : OTANI, Minoru

Track Classification : Material Science(物質科学分野)



Contribution ID : 31

Type : MCRP-S

## Stability evaluation system for membrane protein using 3D-RISM theory

Email

ayori@meiji.ac.jp

Number of project members

4

Cygnus: Project code

[PRORISM]

Cygnus: Requested [awarded] node-hour product

5,000 [4,500]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : MITSUTAKE, Ayori (Meiji Univ.)

Track Classification : Life Science(生命分野)

Contribution ID : 32

Type : MCRP-S

## Full-Microscopic Calculation of Nuclear Fusion Reaction Rate for Astrophysical Phenomena

Email

taniguchi-y@di.kagawa-nct.ac.jp

Number of project members

4

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i032]

Wisteria: Requested [awarded] node-hour product

50,000 [45,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : Dr TANIGUCHI, Yasutaka (National Institute of Technology (KOSEN),  
Kagawa College)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 33

Type : MCRP-M

## Relationship between structure and function of the N-terminal of proteins.

Email

morita@ccs.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[MOLBIO]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : MORITA, Rikuri (University of Tsukuba)

Track Classification : Life Science(生命分野)

Contribution ID : 34

Type : MCRP-M

## First principles study on impurity systems

Email

harashima.yosuke@ms.naist.jp

Number of project members

5

Cygnus: Project code

[FPIS]

Cygnus: Requested [awarded] node-hour product

10,000 [5,670]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : HARASHIMA, Yosuke (Nara Institute of Science and Technology)

Track Classification : Material Science(物質科学分野)

Contribution ID : 35

Type : MCRP-M

## Theoretical investigation of molecular mechanisms of electron proton and energy transfer reactions in proteins

Email

ksaito@appchem.t.u-tokyo.ac.jp

Number of project members

11

Cygnus: Project code

[PROTEIN]

Cygnus: Requested [awarded] node-hour product

13,500 [7,560]

Cygnus: Requested [awarded] disk capacity (TB)

[15]

Wisteria-O: Project code

[wo22i035]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : SAITO, Keisuke (University of Tokyo)

Track Classification : Biology(生物分野)

Contribution ID : 36

Type : MCRP-M

## The Development of in Silico Methods to Explore the Conformation of Non-Coding RNA

Email

takunoriyasuda@gmail.com

Number of project members

3

Cygnus: Project code

[BIOSIM]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : YASUDA, Takunori (University of Tsukuba)

Track Classification : Life Science(生命分野)

Contribution ID : 37

Type : MCRP-M

## QM and MM studies of chemical reactions of biomolecules

Email

mshoji@ccs.tsukuba.ac.jp

Number of project members

5

Cygnus: Project code

[CCSPHYSB]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : Dr SHOJI, Mitsuo (CCS, U.Tsukuba)

Track Classification : Life Science(生命分野)

Contribution ID : 38

Type : MCRP-M

## Topological excitation of QCD near the critical temperature

Email

hfukaya@het.phys.sci.osaka-u.ac.jp

Number of project members

7

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i038]

Wisteria: Requested [awarded] node-hour product

539,200 [212,500] [update 425,000]

Wisteria: Requested [awarded] disk capacity (TB)

[50]

Primary author(s) : FUKAYA, Hidenori

Track Classification : Particle Physics(素粒子分野)



Contribution ID : 39

Type : MCRP-M

## Studies on the Urban Climate and Mountain Weather Using the WRF and CM1 Models

Email

Doan.van.gb@u.tsukuba.ac.jp

Number of project members

10

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i039]

Wisteria: Requested [awarded] node-hour product

100,000 [55,080]

Wisteria: Requested [awarded] disk capacity (TB)

[200]

Primary author(s) : Dr DOAN, Quang Van (Center for Computational Sciences, University of Tsukuba)

Track Classification : Global environment(地球環境分野)

Contribution ID : 40

Type : MCRP-S

## Development of a hierarchical parallel numerical algorithm for saddle point problems

Email

tadano@cs.tsukuba.ac.jp

Number of project members

10

Cygnus: Project code

[HPNA4SPP]

Cygnus: Requested [awarded] node-hour product

3,000 [2,700]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i040]

Wisteria: Requested [awarded] node-hour product

20,000 [16,200]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : TADANO, Hiroto (Center for Computational Sciences, University of Tsukuba)

Track Classification : Numerical analysis(数値解析分野)

Contribution ID : 41

Type : MCRP-M

## Numerical studies on impact resistance mitigation mechanism using high-strength CNT

Email

tejima@rist.jp

Number of project members

7

Cygnus: Project code

[CNTION]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : TEJIMA, Syogo (Research Organization for Information Science and Technology)

Track Classification : Material Science(物質科学分野)

Contribution ID : 42

Type : MCRP-M

## Exploring the origin of glueball mass

Email

sakai@nucl.phys.tohoku.ac.jp

Number of project members

4

Cygnus: Project code

[YMFGBL]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : SAKAI, Keita (Tohoku University)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 43

Type : MCRP-M

## First-principles calculations for light-matter interaction in magnetic metal thin films and spintronic 2D materials

Email

syamada@ccs.tsukuba.ac.jp

Number of project members

3

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i043]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : YAMADA, Shunsuke (Center for Computational Sciences, University of Tsukuba)

Track Classification : Material Science(物質科学分野)

Contribution ID : 44

Type : MCRP-M

## Theoretical investigations on the electron energy transfer processes in photosynthesis by quantum chemistry calculations and quantum dynamics simulations

Email

mishima.kenji.fu@u.tsukuba.ac.jp

Number of project members

2

Cygnus: Project code

[PHYSBIOQM]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : MISHIMA, Kenji (University of Tsukuba)

Track Classification : Life Science(生命分野)

Contribution ID : 45

Type : MCRP-FPGA

## HPC application and system software development on FPGA-GPU combined platform

Email

taisuke@cs.tsukuba.ac.jp

Number of project members

15

Cygnus: Project code

[CCUSC]

Cygnus: Requested [awarded] node-hour product

10,000 [6,930]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : BOKU, Taisuke (University of Tsukuba)

Track Classification : High-performance computing system(超高速計算システム分野)



Contribution ID : 46

Type : MCRP-M

## Thermodynamics of 2+1 flavor QCD with the gradient-flow

Email

kanaya@ccs.tsukuba.ac.jp

Number of project members

5

Cygnus: Project code

[WHOTSPOTC]

Cygnus: Requested [awarded] node-hour product

9,000 [4,410]

Cygnus: Requested [awarded] disk capacity (TB)

[100]

Wisteria-O: Project code

[wo22i046]

Wisteria: Requested [awarded] node-hour product

590,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : KANAYA, Kazuyuki (Univ. of Tsukuba)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 47

Type : MCRP-M

## N-body simulations of the Milky Way and its satellite galaxies

Email

t.asano@astron.s.u-tokyo.ac.jp

Number of project members

4

Cygnus: Project code

[MWDWARFS]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[30]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : ASANO, Tetsuro (The University of Tokyo)

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 48

Type : MCRP-L

## Cosmological simulations of coevolution between galaxies and their central supermassive black holes

Email

okamoto@astro1.sci.hokudai.ac.jp

Number of project members

1

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i048]

Wisteria: Requested [awarded] node-hour product

[780,000]

Wisteria: Requested [awarded] disk capacity (TB)

[100]

Primary author(s) : OKAMOTO, Takashi (Hokkaido University)

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 49

Type : MCRP-L

## B meson physics from lattice QCD for search of new physics

Email

takashi.kaneko@kek.jp

Number of project members

4

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i049]

Wisteria: Requested [awarded] node-hour product

[780,000] [update 15,600,000]

Wisteria: Requested [awarded] disk capacity (TB)

[50]

Primary author(s) : KANEKO, Takashi (KEK)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 50

Type : MCRP-S

## First-principles studies on the magnetism of MnBi

Email

mf-matsui@aist.go.jp

Number of project members

1

Cygnus: Project code

MnBi [MNBI]

Cygnus: Requested [awarded] node-hour product

2,000 [1,620]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : MATSUI, Masafuyu (AIST)

Track Classification : Material Science(物質科学分野)

Contribution ID : 51

Type : MCRP-M

## Lattice QCD computation of inclusive processes

Email

shoji.hashimoto@kek.jp

Number of project members

2

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i051]

Wisteria: Requested [awarded] node-hour product

580,000 [191,250]

Wisteria: Requested [awarded] disk capacity (TB)

30 [15]

Primary author(s) : HASHIMOTO, Shoji (KEK); KANEKO, Takashi (KEK)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 52

Type : MCRP-S

## Automatic planning of radiation therapy for breast cancer using deep learning

Email

meg.riken.mgm@gmail.com

Number of project members

2

Cygnus: Project code

[JUNTENMP]

Cygnus: Requested [awarded] node-hour product

5,000 [3,150]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : OYA, Megumi (RIKEN)

Track Classification : Computational informatics(計算情報学分野)

Contribution ID : 53

Type : MCRP-M

## Research of System Software for HPC/Big Data/AI

Email

tatebe@cs.tsukuba.a.jp

Number of project members

15

Cygnus: Project code

[NBB]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10] [update 20]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : TATEBE, Osamu (University of Tsukuba)

Track Classification : High-performance computing system(超高速計算システム分野)



Contribution ID : 54

Type : MCRP-S

## Approaches to strategic planning for sports based on big data

Email

osawa.kiyoshi.ga@u.tsukuba.ac.jp

Number of project members

1

Cygnus: Project code

[SPORTSBD]

Cygnus: Requested [awarded] node-hour product

5,000 [4,050]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i054]

Wisteria: Requested [awarded] node-hour product

50,000 [40,500]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : OSAWA, Kiyoshi

Track Classification : Numerical analysis(数値解析分野)

Contribution ID : 55

Type : MCRP-S

# General relativistic radiation magnetohydrodynamics simulations of black hole accretion flows and outflows

Email

asahinyt@ccs.tsukuba.ac.jp

Number of project members

5

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i055]

Wisteria: Requested [awarded] node-hour product

50,000 [45,000]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : ASAHINA, Yuta

Track Classification : Astrophysics(宇宙分野)

Contribution ID : 56

Type : MCRP-S

## Research on Remote Sensing Image Data Analysis Using Machine Learning

Email

toriya@gipc.akita-u.ac.jp

Number of project members

4

Cygnus: Project code

[CVGEO]

Cygnus: Requested [awarded] node-hour product

5,000 [3,600]

Cygnus: Requested [awarded] disk capacity (TB)

15 [5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : Dr TORIYA, Hisatoshi (Akita University)

Track Classification : Computational informatics(計算情報学分野)

Contribution ID : 57

Type : MCRP-M

## First-principles investigation for transport property of device interfaces using RSPACE code

Email

t.ono@eedept.kobe-u.ac.jp

Number of project members

11

Cygnus: Project code

[RSPACE]

Cygnus: Requested [awarded] node-hour product

2,000 [1,386]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i057]

Wisteria: Requested [awarded] node-hour product

246,000 [230,010]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : ONO, Tomoya (Kobe University)

Track Classification : Material Science(物質科学分野)

Contribution ID : 58

Type : MCRP-M

## Non-perturbative renormalization for nucleon structure in lattice QCD

Email

tsuji@nucl.phys.tohoku.ac.jp

Number of project members

4

Cygnus: Project code

[NUCLRE]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

52 [10]

Wisteria-O: Project code

[wo22i058]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[52]

Primary author(s) : TSUJI, Ryutaro

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 59

Type : MCRP-M

## A light field capturing system using multiple omnidirectional cameras

Email

li.qiaoge@image.iit.tsukuba.ac.jp

Number of project members

3

Cygnus: Project code

[MAGI]

Cygnus: Requested [awarded] node-hour product

5,000 [3,150]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : LI, Qiaoge (School of Integrative and Global Majors, Ph.D. Program in Empowerment Informatics, University of Tsukuba)

Track Classification : Computational informatics(計算情報学分野)

Contribution ID : 60

Type : MCRP-S

## Implementation of Lattice QCD common code to large scale parallel supercomputer with SIMD and GPU architecture

Email

hidekatsu.nemura@rcnp.osaka-u.ac.jp

Number of project members

8

Cygnus: Project code

[BRIDGE]

Cygnus: Requested [awarded] node-hour product

1,000 [900]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i060]

Wisteria: Requested [awarded] node-hour product

32,000 [28,800]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : NEMURA, Hidekatsu (Research Center for Nuclear Physics, Osaka University)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 61

Type : MCRP-M

## Molecular mechanism of genome editing investigated by site-selective heat current analysis

Email

yamato@nagoya-u.jp

Number of project members

6

Cygnus: Project code

cas9 [CAS9]

Cygnus: Requested [awarded] node-hour product

19,913 [12,545]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i061]

Wisteria: Requested [awarded] node-hour product

248,917 [190,422]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : Prof. YAMATO, Takahisa (Nagoya University)

Track Classification : Life Science(生命分野)



Contribution ID : 62

Type : MCRP-S

## 3D Volume Estimation from X-Ray Images Using Implicit Neural Representation

Email

xie.chun@image.iit.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[XINR22]

Cygnus: Requested [awarded] node-hour product

5,000 [4,050]

Cygnus: Requested [awarded] disk capacity (TB)

10 [5]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : XIE, Chun (University of Tsukuba)

Track Classification : Computational informatics(計算情報学分野)

Contribution ID : 63

Type : MCRP-M

## First-principles calculation of optical response of meta- and bulk surfaces

Email

yabana@nucl.ph.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[TDDFT]

Cygnus: Requested [awarded] node-hour product

5,000 [4,455]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i063]

Wisteria: Requested [awarded] node-hour product

250,000 [233,750] [update 467,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : YABANA, Kazuhiro

Track Classification : Material Science(物質科学分野)

Contribution ID : 64

Type : MCRP-M

## Development of sleep-support systems using machine-learning techniques and a high-performance computer

Email

horie@cs.tsukuba.ac.jp

Number of project members

10

Cygnus: Project code

sleep [SLEEP]

Cygnus: Requested [awarded] node-hour product

6,000 [3,780]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : HORIE, Kazumasa (University of Tsukuba)

Track Classification : Computational informatics(計算情報学分野)

Contribution ID : 65

Type : MCRP-M

## First-principles Lattice QCD calculation of Hadron interactions

Email

doi@ribf.riken.jp

Number of project members

14

Cygnus: Project code

[HALQCD]

Cygnus: Requested [awarded] node-hour product

5,000 [3,600]

Cygnus: Requested [awarded] disk capacity (TB)

20 [10] [update 40]

Wisteria-O: Project code

[wo22i065]

Wisteria: Requested [awarded] node-hour product

785,200 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

30 [15]

Primary author(s) : DOI, Takumi (RIKEN)

Track Classification : Nuclear Physics(原子核分野)

Contribution ID : 66

Type : MCRP-M

## First-principles design of nanoscale optical and spintronics devices

Email

uemoto@eedept.kobe-u.ac.jp

Number of project members

5

Cygnus: Project code

nanomat [NANOMAT]

Cygnus: Requested [awarded] node-hour product

4,000 [3,600]

Cygnus: Requested [awarded] disk capacity (TB)

15 [10]

Wisteria-O: Project code

[wo22i066]

Wisteria: Requested [awarded] node-hour product

100,000 [85,000]

Wisteria: Requested [awarded] disk capacity (TB)

[10]

Primary author(s) : Dr UEMOTO, Mitsuharu (Kobe University)

Track Classification : Material Science(物質科学分野)

Contribution ID : 67

Type : MCRP-M

## Study on QCD phase structure

Email

hohno@ccs.tsukuba.ac.jp

Number of project members

4

Cygnus: Project code

[DENSEQCD]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i067]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : OHNO, Hiroshi (University of Tsukuba)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 68

Type : MCRP-FPGA

## Development of Computing Platform based on Transprecision and Inter-GPU Streaming Mechanism for HPC

Email

hanawa@cc.u-tokyo.ac.jp

Number of project members

13

Cygnus: Project code

[CSPP]

Cygnus: Requested [awarded] node-hour product

5,000 [2,800]

Cygnus: Requested [awarded] disk capacity (TB)

15 [10]

Wisteria-O: Project code

[No]

Wisteria: Requested [awarded] node-hour product

[No]

Wisteria: Requested [awarded] disk capacity (TB)

[No]

Primary author(s) : Prof. HANAWA, Toshihiro (The University of Tokyo)

Track Classification : High-performance computing system(超高速計算システム分野)

Contribution ID : 69

Type : MCRP-M

## Novel structure analysis method for two-dimensional material by massively parallel data-driven science

Email

hoshi@tottori-u.ac.jp

Number of project members

2

Cygnus: Project code

[No]

Cygnus: Requested [awarded] node-hour product

[No]

Cygnus: Requested [awarded] disk capacity (TB)

[No]

Wisteria-O: Project code

[wo22i069]

Wisteria: Requested [awarded] node-hour product

250,000 [212,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : HOSHI, Takeo (Tottori University)

Track Classification : Material Science(物質科学分野)



Contribution ID : 70

Type : MCRP-S

## Investigation on Accuracy Recovery for Dynamic Transprecision Computing on HPC Systems

Email

yasutaka.wada@meisei-u.ac.jp

Number of project members

4

Cygnus: Project code

[ARTC]

Cygnus: Requested [awarded] node-hour product

5,000 [3,150]

Cygnus: Requested [awarded] disk capacity (TB)

[5]

Wisteria-O: Project code

[wo22i070]

Wisteria: Requested [awarded] node-hour product

50,000 [31,500]

Wisteria: Requested [awarded] disk capacity (TB)

[5]

Primary author(s) : WADA, Yasutaka (Meisei University)

Track Classification : High-performance computing system(超高速計算システム分野)

Contribution ID : 71

Type : MCRP-M

## Lattice Study on the quark confinement based on the gauge-covariant decomposition and non-Abelian Stokes theorem

Email

akihiro.shibata@kek.jp

Number of project members

5

Cygnus: Project code

[QCONFINE]

Cygnus: Requested [awarded] node-hour product

20,000 [14,000]

Cygnus: Requested [awarded] disk capacity (TB)

[20]

Wisteria-O: Project code

[wo22i071]

Wisteria: Requested [awarded] node-hour product

250,000 [127,500]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : SHIBATA, Akihiro (KEK)

Track Classification : Particle Physics(素粒子分野)

Contribution ID : 72

Type : MCRP-M

## Functional renormalization group study on the three-dimensional Kitaev magnets

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k.fukui@aion.t.u-tokyo.ac.jp

Number of project members

1

Cygnus: Project code

[FRGQSL]

Cygnus: Requested [awarded] node-hour product

20,000 [8,820]

Cygnus: Requested [awarded] disk capacity (TB)

[10]

Wisteria-O: Project code

[wo22i072]

Wisteria: Requested [awarded] node-hour product

250,000 [191,250]

Wisteria: Requested [awarded] disk capacity (TB)

[15]

Primary author(s) : FUKUI, Kiyu (The University of Tokyo)

Track Classification : Material Science(物質科学分野)

Contribution ID : 73

Type : MCRP-M

## Study of protein domain-swapping using molecular dynamics simulation

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Number of project members

1

Cygnus: Project code

[MSDCMD]

Cygnus: Requested [awarded] node-hour product

20,000 [12,600]

Cygnus: Requested [awarded] disk capacity (TB)

[1]

Wisteria-O: Project code

[wo22i073]

Wisteria: Requested [awarded] node-hour product

200,000 [153,000]

Wisteria: Requested [awarded] disk capacity (TB)

[1]

Primary author(s) : Dr SHIMOYAMA, Hiromitsu (University of Tsukuba)

Track Classification : Life Science(生命分野)