

Workshop on Highly Baryonic Matter at RHIC-BES and Future Facilities - - - beyond the Critical Point towards Neutron Stars - - - (WHBM 2023)

Saturday, 29 April 2023, 1D204, Central Area 1, Tsukuba Campus, University of Tsukuba

Session I (Chair : Shinichi Esumi)

09:00 - 09:40 (30+10) Yasuo Miake (Univ. of Tsukuba) Historical Overview and Future Direction of HIC

09:40 - 10:20 (30+10) Su Houn Lee (Yonsei Univ.) Exotic states at high baryon density

coffee break

Session II (Chair : Tatsuya Chujo)

10:35 - 11:15 (30+10) Subhash Singha (IMP) Flow and Vorticity at RHIC Beam Energy Scan

11:15 - 11:55 (30+10) Kenji Fukushima (Univ. of Tokyo) QCD Phases at High Baryon Density and Neutron Stars

lunch break

Session III (Chair : Masakiyo Kitazawa)

13:30 - 14:10 (30+10) Norbert Herrmann (Heidelberg Univ.) Status of CBM and expected FAIR day-1/full results

14:10 - 14:50 (30+10) Megumi Naruki (Kyoto Univ.) Dilepton Measurement at J-PARC

14:50 - 15:15 (20+5) Magdalena Kuich (Univ. of Warsaw) Recent results on the study of the onset of deconfinement and search for critical point from NA61/SHINE experiment

15:15 - 15:40 (20+5) Toru Nishimura (Osaka Univ.) Effect of QCD phase transitions at high density on dilepton production and transport coefficients

coffee break

Session IV (Chair : Nu Xu)

16:00 - 16:40 (30+10) Joachim Stroth (GSI / Frankfurt Univ.) Recent results from HADES experiment and plan for CBM

16:40 - 17:05 (20+5) Hiroyuki Sako (JAEA / Univ. of Tsukuba) Studies of high-baryon density matter at J-PARC

17:05 - 17:30 (20+5) Philipp Gubler (JAEA) The phi meson in nuclear matter - theory status before the start of the J-PARC E16 experiment

17:30 - 18:00 (30) Panel discussion, panelists: Sourendu Gupta, Tapan Nayak

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Session V (Chair : Yifei Zhang)

09:00 - 09:40 (30+10) Masakiyo Kitazawa (YITP, Kyoto Univ.) Critical Point and Fluctuation

09:40 - 10:05 (20+5) Si Fan (USTC / Univ. of Tsukuba) Fluctuation measurements at RHIC-STAR

10:05 - 10:30 (20+5) Lipei Du (McGill Univ.) Rapidity scan with multistage hydrodynamic and statistical thermal models

coffee break

Session VI (Chair : Kyoichiro Ozawa)

10:45 - 11:25 (30+10) Yasushi Nara (Akita International Univ.) Flow and EOS with Microscopic Transport Models

11:25 - 11:50 (20+5) Sandeep Chatterjee (IISER Berhampur) Stopping and transport of baryons in RHIC-BES

11:50 - 12:15 (20+5) Xiujun Li (USTC / Univ. of Tsukuba) Hypernuclei measurements at RHIC-STAR

12:15 - 12:40 (20+5) Gabor Balassa (Korea Univ.) Hypernuclei production with a modified coalescence model

lunch break

Session VII (Chair : Fuqiang Wang)

14:00 - 14:25 (20+5) Shunji Nishimura (RIKEN) Experimental challenge to study on high density matter and neutron star

14:25 - 14:50 (20+5) Yuki Fujimoto (Univ. of Washington) Conformality and duality in neutron stars

14:50 - 15:15 (20+5) Gianluca Usai (Univ. of Cagliari / INFN) Measuring hard and electromagnetic probes in Pb-Pb collisions at high baryochemical potential: the NA60+ experiment at the CERN SPS

15:15 - 15:55 (30+10) Nu Xu (GSI) Physics at High Baryon Density and plan for HIAF/CEE

15:55 - 16:00 (5) Closing

筑波キャンパス 全体図

※エリア名は、通称です

マップ凡例

- バス通り (Bus route)
- 道路 (Road)
- バス停 (路線バス) (Bus stop (route bus))
- バス停 (高速バス) (Bus stop (highway bus))
- 案内センター (Information center)
- コンビニエンスストア (Convenience store)
- 信号 (Traffic signal)
- カーシェア・つくばステーション (Car sharing system "Car Share Tsukuba")

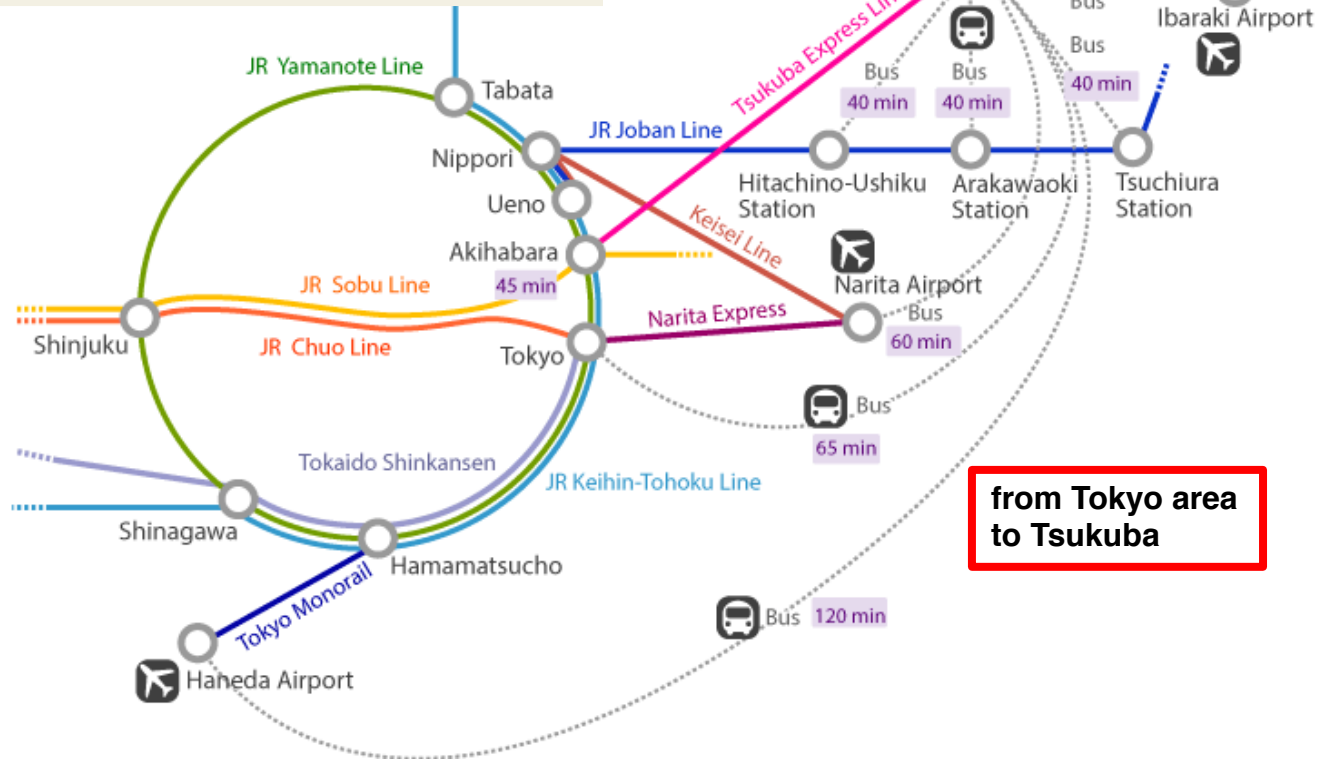
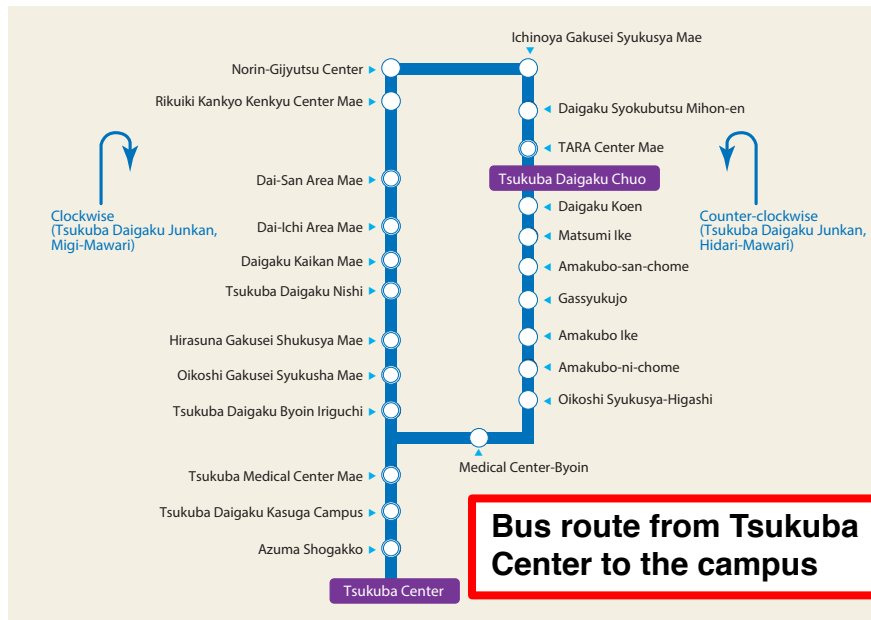
Area-1
1D204

第三エリア
Area 3
▷ 国際総合学類
▷ 応用理工学類
▷ エンシステム学類
▷ 社会工学類
▷ 情報科学類

第二エリア
Area 2
▷ 比較文化学類
▷ 日米言語文化学類
▷ 教育学類
▷ 心理学類
▷ 障害科学類
▷ 生物学類
▷ 生物資源学類

Univ. of Tsukuba
campus

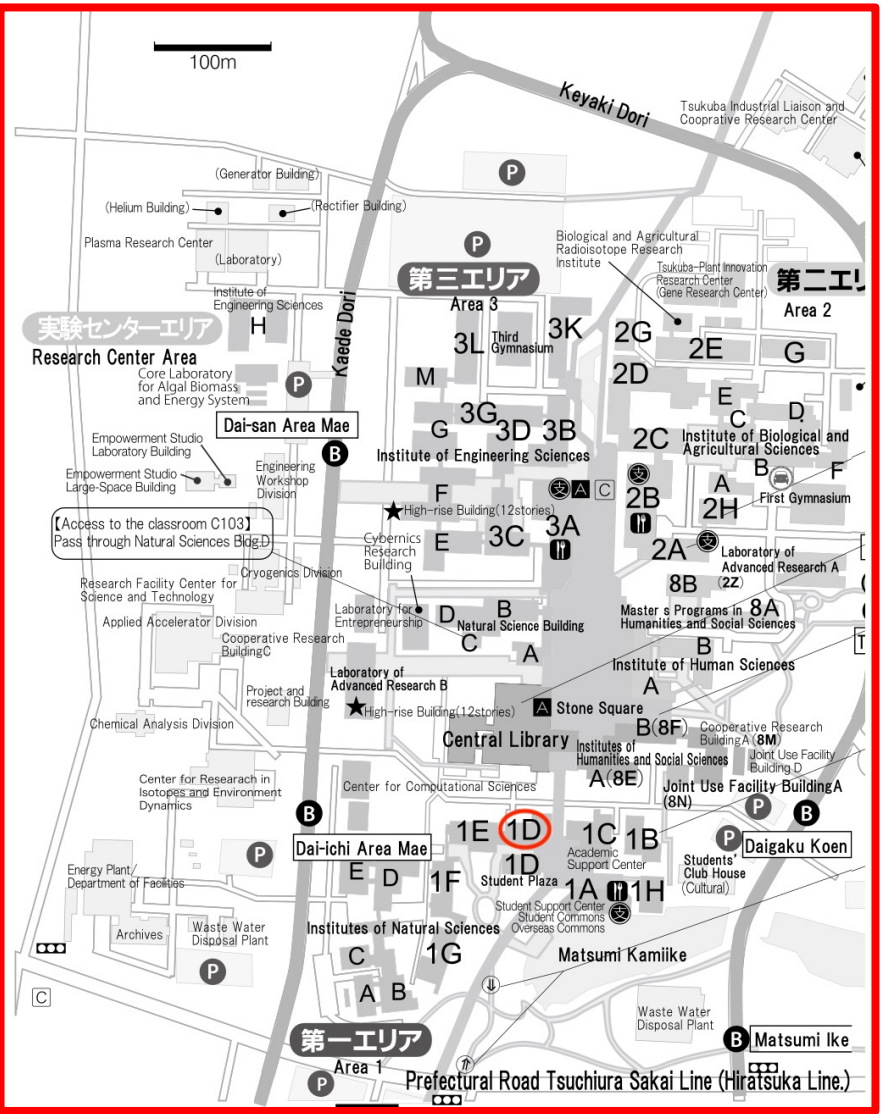
Pedestrian continues
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Tsukuba Campus Central Area

Area Name	Name of Facility
Research Center Area	5 Center for Research in Isotopes and Environmental Dynamics (Environmental Dynamics & Prediction Section)
	6 Life Science Center for Survival Dynamics, Tsukuba Advanced Research Alliance (TARA)
	7 Tsukuba Industrial Liaison and Cooperative Research Center
	8 Plant-based Material Production Research Building
	9 Plasma Research Center
	10 Algae Biomass and Energy System Research Unit
	11 Empowerment Studio
	12 Research Facility Center for Science and Technology (Engineering Workshop Division)
	13 Research Facility Center for Science and Technology (Cryogenics Division)
	14 Research Facility Center for Science and Technology (Applied Accelerator Division)
	15 Cooperative Research Building C
	16 Research Facility Center for Science and Technology (Chemical Analysis Division)
	17 Project and Research Building
	18 Center for Research in Isotopes and Environmental Dynamics (Radioisotope Research Section)
	19 University of Tsukuba Archives / Energy Plant
	20 Third Gymnasium
	21 3A-3D, 3K, 3L Buildings / Academic Service Office for the Systems and Information Engineering Area
	22 Institutes of Engineering Sciences
	23 Natural Sciences Building
Area 2	24 Cooperative Research Building D
	25 Laboratory of Advanced Research B
	26 Cybernetics Research Building
	27 Tsukuba-Plant Innovation Research Center (T-PIRC) (Gene Research Center)
	28 Institutes of Biological and Agricultural Sciences
	29 First Gymnasium
	30 Laboratory of Advanced Research A
	31 2A-2E, 2G, 2H Buildings / Academic Service Office for the Life and Environmental Sciences Area, Academic Service Office for the Human Sciences Area
	32 Master's Programs in Humanities and Social Sciences
	33 Institutes of Human Sciences
	34 Laboratory for Environmental Disaster Prevention Research / Mountain Science Center
Area 1	35 Central Library
	36 Institutes of Humanities and Social Sciences
	37 Joint Use Facility Building A
	38 Cooperative Research Building A
	39 Joint Use Facility Building D
	40 1D-1G Buildings / Student Plaza
	41 1A-1C, 1H Buildings / Academic Service Office for the Humanities and Social Sciences Area, Academic Service Office for the Pure and Applied Sciences Area, Student Commons, Academic Support Center for the School of Comprehensive Studies
	42 Students' Club House (Cultural)
	43 Institutes of Natural Sciences
	44 Center for Computational Sciences (CCS)
	45 Administration Center, Annex Building
Administration Center Area	

Facilities Pedestrian Deck Sidewalk Facilities for Physical Education Farm Campus Bus Stop Information Center Parking Area Heliport Hospital Heliport Convenience Store



1A ~ 1H棟、共同利用棟A

▼ 出入口(▽ 自動ドア) ● 自動販売機 駐輪場 避難経路
 Entrance Vending machine Bicycle parking lot Evacuation route

