

November 14-17, 2012  
Pusan National University (PNU)  
Haeundae Grand Hotel, Pusan, South Korea

The 4th Asian Triangle Heavy Ion Conference



# ATHIC 2012

### International Advisory Committee (IAC)

- ▶ Yasuyuki Akiba (RIKEN)
- ▶ Jan-e Alam (Variable Energy Cyclotron Centre)
- ▶ Masayuki Asakawa (Osaka University)
- ▶ Anju Bhasin (Variable Energy Cyclotron Centre)
- ▶ Hideto En'yo (RIKEN)
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### TOPICS

- Jet propagation and medium response in QGP
- Properties of strongly coupled QGP
- Exploring QCD phase diagram
- Exotics and Nuclear astrophysics
- Future projects (RHIC-II, LHC, J-PARC, FAIR, KoRIA etc.)

#### EVENT COORDINATOR

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# The 4<sup>th</sup> Asian Triangle Heavy Ion Conference (ATHIC 2012)

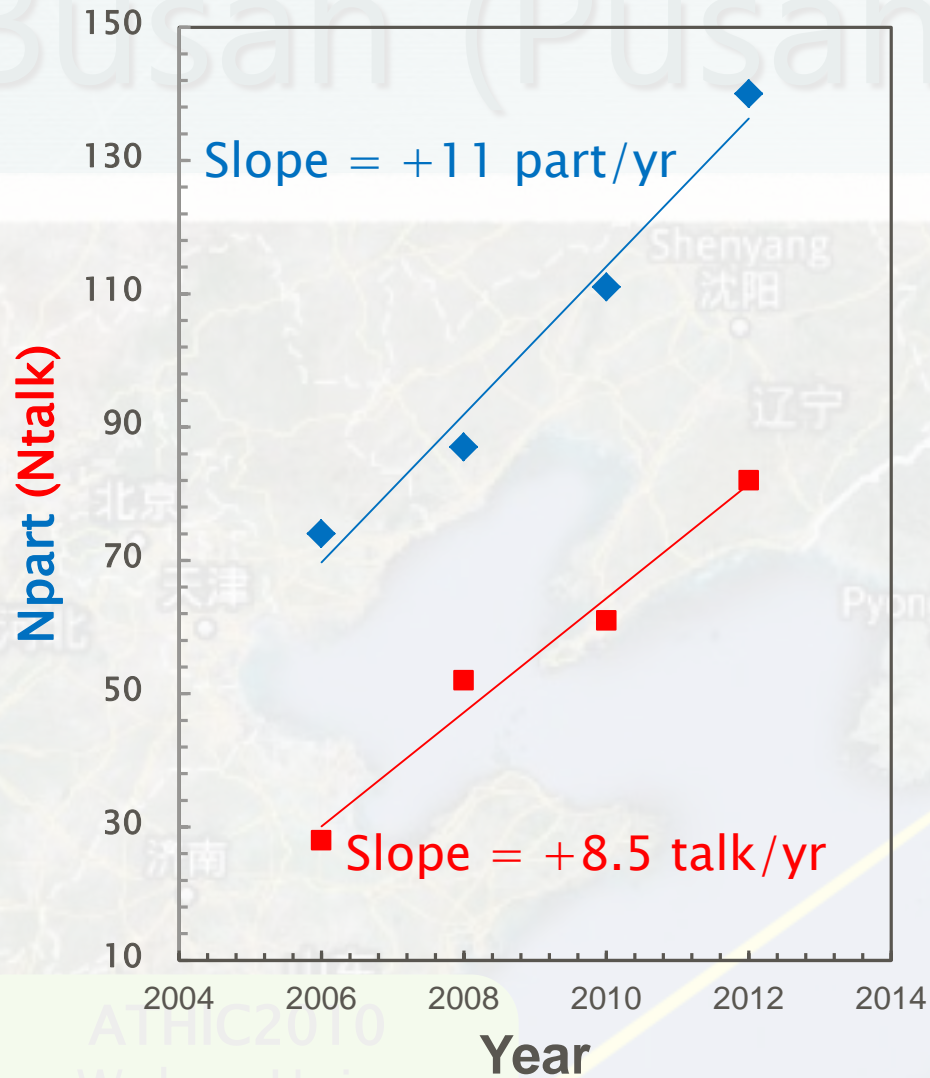
Haeundae Grand Hotel, South Korea on November 14 - 17, 2012



*Welcome to Busan*



# Busan (부산, 釜山) Korea

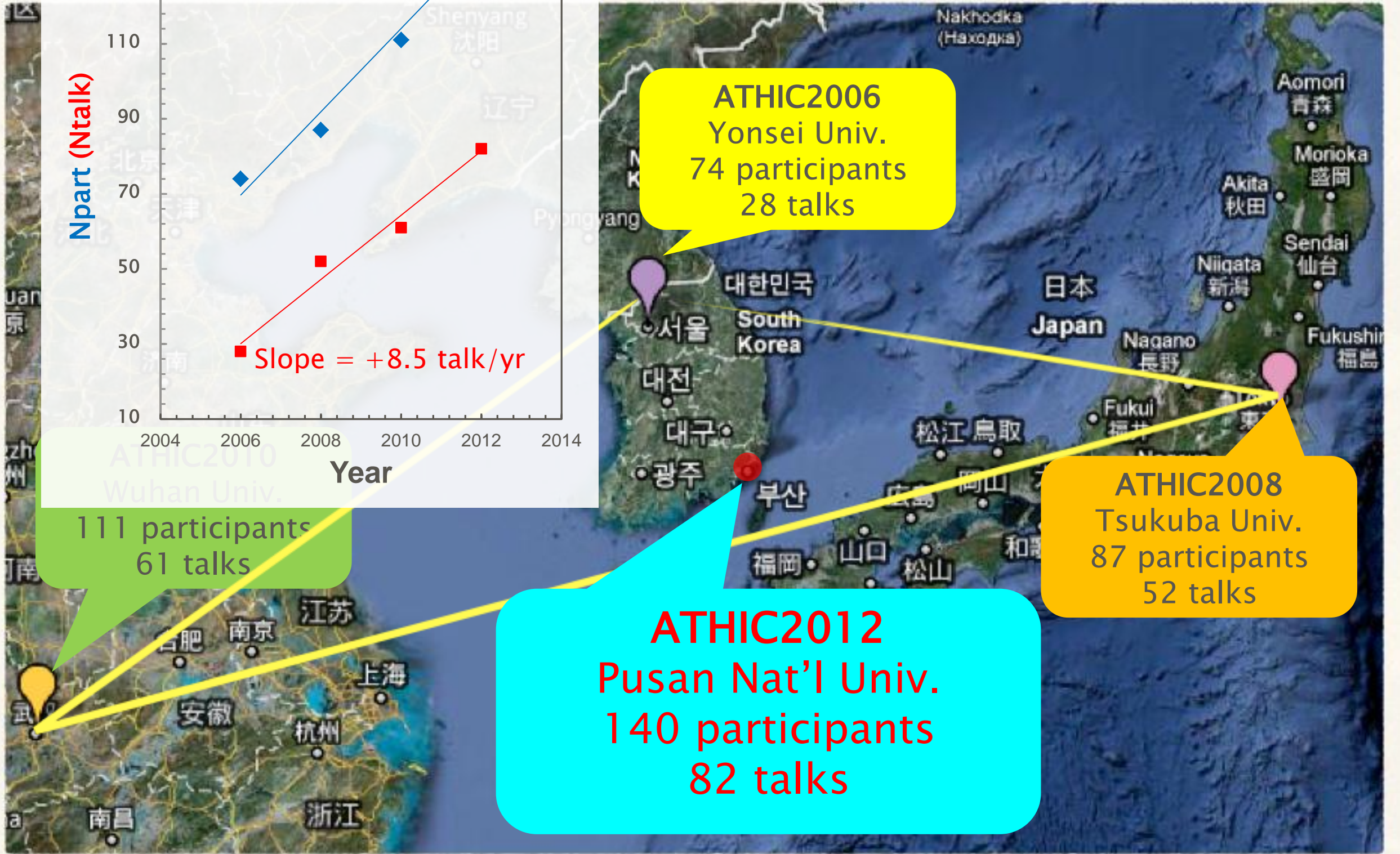


ATHIC2006  
Yonsei Univ.  
74 participants  
28 talks

ATHIC2008  
Tsukuba Univ.  
87 participants  
52 talks

ATHIC2012  
Pusan Nat'l Univ.  
140 participants  
82 talks

ATHIC2010  
Wuhan Univ.  
111 participants  
61 talks





# Scientific Program

Date/Time	12.11.14	12.11.15	12.11.16	12.11.17
8:00			Registration	
9:00		S. Jeon : Initial state fluctuations in hydrodynamic simulations (49)	P. Zhuang : Quarkonium Regeneration in Heavy Ion Collisions at LHC (81)	H.Z. Huang : Searches for Exotic Phenomena/Particles at RHIC (39)
9:30		H. Masui : Parton Collectivity at RHIC (48)	Z. Tang : Quarkonium measurements with the STAR experiment (78)	S. Cho : Exotics from heavy ion collisions (41)
10:00		C. Nonaka : Study of Higher harmonics based on (3+1)-dimensional relativistic viscous hydrodynamics (60)	S. Sakai : Measurement of electrons from heavy flavour decays in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with ALICE (58)	N. Sato : Current status and future prospects of fundamental physics at J-PARC
10:30			Coffee Break	
10:50	Registration Desk at Hotel SeaCloud (Accommodation Venue)	Q. Wang : Chiral anomaly and local polarization effect from quantum kinetic approach (23)	M. Asakawa : QCD critical point, conserved and nonconserved charge fluctuations, and final state interactions (24)	S. Ghosh : Physics of Neutron Stars
11:20		T. Song : Mean field effects on elliptic flows in relativistic heavy ion collisions (17)	S.J. Sin : Plasmino and Thermal mass in HQCD (09)	Z. Xiao : Asymmetrical nuclear EOS study with CEE (80)
11:50		Y. Zhang : Di-electron Production in Heavy-Ion Collisions (44)	D. Hou : Finite coupling correction to heavy quark potential and Jet quenching parameter from AdS/CFT (15)	S.K. Kim : Rare Isotope Science Project in Korea (**)
12:20	Registration at Grand Hotel (Main Conference Venue)	Lunch	Photo Session	Closing
13:30		H. Song : Quark-gluon plasma shear viscosity at RHIC and the LHC (42)	B. Xiao : K <sup>-</sup> -factorization and dijet production in pA collisions (24)	HCh. Kim : Quarkonia Results from CMS (59)
13:50	I.K.Yoo : Opening	S. Ryu : Hydro+UrQMD	S. Mizuno : Study of identified particle higher harmonics azimuthal anisotropy in 200GeV Au+Au collisions at RHIC-PHENICX experiment (66)	T. Nagaoka : Sequential melting of quarkonia in quark-gluon fluid at RHIC and LHC (47)
14:00	N. Xu : Status of High-Energy Nuclear Collisions and Future Directions (76)	A. Wiranata : shear viscosity of hadron resonance gas and K <sup>-</sup> -matrix formalism (14)	C.Y. Qin : Correlations between jets and neutral bosons (36)	R. Bale : Heavy Flavour Production measurement at LHC energies with the ALICE detector (05)
14:30	B. Hong : Overview of Heavy-Ion Results from CMS at LHC (08)	V. Roy : Recent Progress viscous hydrodynamics and the shear viscosity of the QGP (82)	C.-L. Ma : Di-hadron correlation and initial fluctuation (56)	J. Zhu : Nuclear Modification Factor and Elliptic flow of Muons from Open Heavy Flavor Decays at Forward Rapidity in Pb-Pb Collisions at 2.76 TeV with ALICE (52)
15:00	Y. Schutz : ALICE recent results and future plans (84)			
15:30	Coffee Break	H. Nakagami : The $\eta$ dependence of charged particle $v_n$ using the Silicon Vertex detector at RHIC-PHENIX (67)	F. Liu : Direct photon production and QGP formation in pp collisions at LHC (07)	Z. Kai : Cold and Hot Nuclear Matter Effects on J/psi Production (32)
15:50	X. He : Recent Results from PHENIX (33)	Z.-B. Yin : Elliptic flow of strange and multi-strange particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with ALICE (54)	K. Hattori : Birefringent photon spectrum from a nonlinear interaction with strong magnetic field (34)	S. Lim : Heavy quark production at forward rapidity in d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV (30)
16:20	T. Hirano : Hydrodynamic Approach to Relativistic Heavy Ion Collisions (06)	M. Kim : The measurement of Elliptic flow of identified particles in Pb-Pb collisions at 2.76 TeV with ALICE detectors (61)	K. Kim : H-dibaryon properties from a QCD sum rule approach with explicit diquark fields (29)	Dr. Sho Ozaki : Low energy charmonium-hadron scattering in lattice QCD (77)
17:10	B. Mohanty : Results from the RHIC Beam Energy Scan Program (79)	A. Srivastava : From the universe to relativistic heavy-ion collisions: CMBR fluctuations and flow anisotropies (20)	A. Tsuji : Perspectives of search for ultra-strong magnetic field via direct virtual photon measurement at ALICE (57)	K. Oh : Study of low p <sub>T</sub> non-photonic electrons production in 200 GeV (38)
17:30	M. Rho : Proton mass and the EOS for compressed baryonic matter (11)	K.S. Lee : Blast-wave model calculation of V <sub>2</sub> including resonance decay (94)	P.S. Saunus : Enhancement of flow anisotropies due to magnetic field in relativistic heavy-ion collisions (65)	K. Itakura : Dilepton production from strong fields in heavy-ion collisions (52)
18:00		H. Zhang : Effects of initial state fluctuations on jet energy loss (18)	N. Karthik : Correlation lengths in the QCD plasma (43)	K. Watanabe : Quark pair productions in pA collisions from CGC with running coupling BK evolution (63)
18:40	PHOTO Session			
19:00	Reception Dinner	IAC Meeting / Dinner		
21:00				

# Conference Venue

## Hostel Arpina

- Banquet (Nov. 16)

## Grand Hotel

- Sky Hall (22F) : Plenary / Parallel A
- Emerald Hall (6F) : Reception / Lunch
- Joongwon Hall (2F) : Parallel B
- Namwon Hall (2F) : Parallel C

## Sea Cloud Hotel

- Hotel Rooms
- Rest. Konakomo :  
Dinner (Nov.15)



# Enjoy ATHIC2012 !

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