



Possible contribution for MFT-ALICE from Nara Women's University



Maya Shimomura
(Nara Women's Univ.)

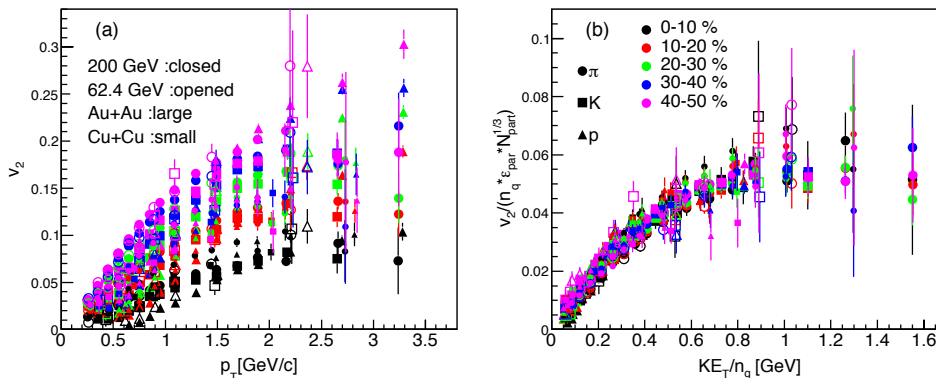
MFT workshop@Hiroshima Univ.

October 5th 2015

Who Am I ?

My PhD thesis was “Systematic study of charged hadron v_2 at RHIC-PHENIX” at University of Tsukuba.

Phys. Rev. C 92, 034913

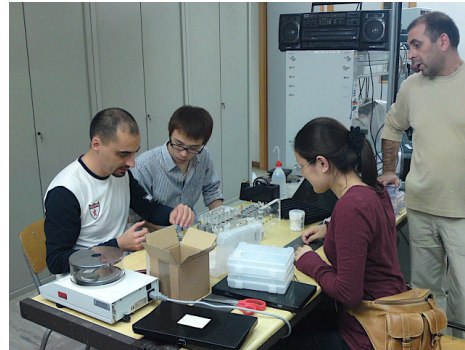
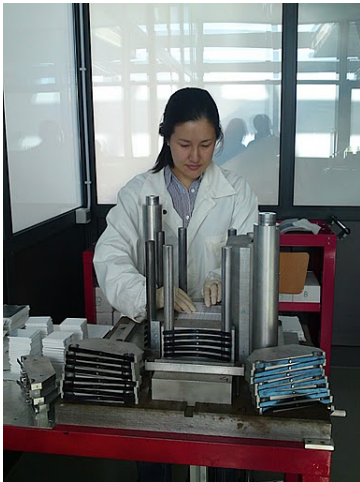
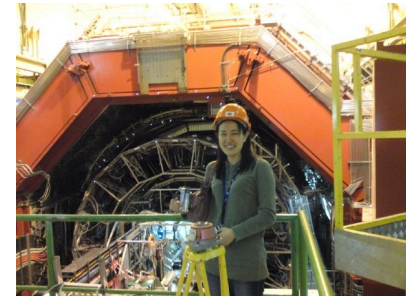


a near-universal scaling of $v_2 / (n_q \cdot \epsilon \cdot N_{part}^{1/3})$ vs. KE_T/n_q

Also, built and installed Aerogel counter and maintained TOF and Aerogel during runs.

Who am I ?

I was a post-doc at University of Tsukuba and was a member of ALICE from 2007 to 2011.



I was in Catania Univ. to make D-Cal module and to test APDs for two months.



Who am I ?

- I was a post-doc in Iowa State University for RHIC-PHENIX in 2011-2014.
 - VTX(silicon vertex detector)
 - alignment on software
 - Conversion veto
 - Heavy flavor analysis
- I was an assistant professor at KEK for SuperKEKB in 2014.
- Since Feb 2014 I have been an assistant professor in Nara Women's University.



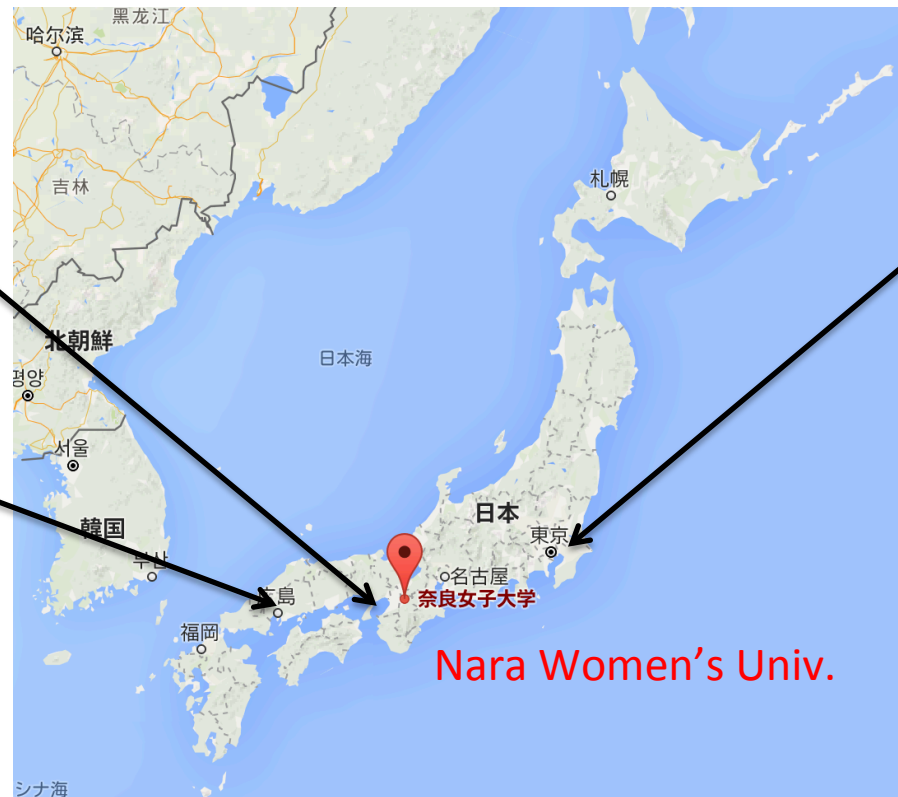
Nara Women's Univ.

<http://www.nara-wu.ac.jp/index-e.html>

- Located at west side of Japan, near KYOTO.

QM2015 at Kobe
fashion mart
You were here last
week.

Hiroshima University.
You are here now.



TOKYO

Nara Women's Univ.



Nara Women's Univ.

- **Top 2 National Women's University in Japan**
- **Founded in 1908 (107 years ago!)**
- Three Faculties;
 - Faculty of Letters, Faculty of Science and Faculty of Human life
- 2100 under graduate students, 550 graduate students with 200 teaching staffs. (2015)
- Around 40 students are physics major.
- All students are female.
- Most of students are earnest, serious and pure.



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- Most of students are earnest, serious and pure.
 - I graduated from this university ! 😊



Nara Women's Univ.



- Groups of Physics Department
 - High energy physics Lab, Elementary particle physics theory, nuclear physics theory, Astrophysics Lab and etc.

I belong to High energy physics Lab group.

(<http://www.hepl.phys.nara-wu.ac.jp/index-e.html>)

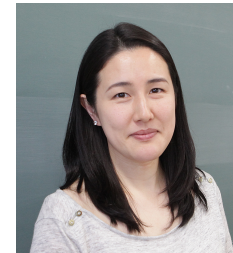
- It mainly works for KEK Belle experiment.
- Proven group working $e+e-$ collider since 1987 TRISTAN.
- 3 Staff, 7 Undergraduate, 4 Master students, some friendly deers





Status and Issues

- Status for Heavy Ion physics
 - Maya(staff) and Akari (M1) so far.
 - Try to have more master students.
 - Became members of RHIC-PHENIX
- **Issues to join to Alice**
 - We'd like to join to ALICE and are considering how.
 - Problems are lack of manpower and **funding.**





Possible future plans

1. Get funding!
2. Get more students for Heavy ion physics.
 - Most of students don't go to PhD course though.
 - Some master students works for Belle II.
 - I have some senior undergraduate students and master students on every year.
3. Seeking which projects we can join to.
 - Maybe upgrade plans for MFT, TPC, PHOS, electronics and etc.

Thank you for let me joining to MFT workshop today.