# 4

**Thursday, 17 September 2015 - Friday, 18 September 2015**

# Scientific Programme

**Thursday 17 September**

Registration 9:30 - 10:30

Opening address - 10:30-10:40

Conveners: Prof. Nakamura Takashi

10:30[10] Wellcome address: Prof. Tamura Hirokazu

Group A01 and C01 - 10:40-10:12:05

Conveners: Prof. Nakamura Takashi

10:40[5+5] Researches of Group-A01: Prof. Takahashi Toshiyuki

10:50[15+5] Present status of Emulsion Expeiements: Dr. Ekawa Hiroyuki

11:10[20+5] Present Status of Hyperon Spectrometer (HypTPC): Dr. Sako Hiroyuki

11:35[25+5] Neutron Star Physics of ASTRO-H: Prof. Enoto Teruaki

Lunch - 12:05 - 13:10

Group C01, B03, and A01

Conveners: Prof. Murakami Tetsuya

13:10[25+5] Gamma-Ray Binary Systems: Possible Implication of the Fermi Flares on the NS Properties: Prof. Khangulyan Dmitry

13:40[25+5] The ground state EOS from the BCS limit to the unitarity limit: Dr. Horikoshi Munekazu

14:10[25+5] Experimental determination of p-wave contact in an ultracold Fermi gas : Prof. Mukaiyama Takashi

14:40[20+5] The first evidence of Xi-hypernucleus: Prof. Nakazawa Kazuma

Coffee break - 15:05-15:20

Newly accepted researches (□□□□□) 15:20-17:35

Conveners: Prof. Tamura Hirokazu

15:20[10+5] □□□□□□□□□□□□□□□□□□□□□: Prof. Makishima Kazuo

15:35[10+5] International Collaboration with NICER for Neutron Star Observations

: Prof. Enoto Teruaki

15:50[10+5] Present status of Rare-RI Ring project at RIBF: Prof. Ozawa Akira

16:05[10+5] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□EOS□□□□

: Prof. Yamaguchi Takayuki

16:20[10+5] Status and plans of pionic atom factory project at RIBF: Dr. Itahashi Kenta

16:35[10+5] High-density nuclear matter probed by nucleus-nucleus scattering

: Prof. Sakuragi Hiroyuki

16:50[10+5] Torsional oscillations in neutron stars with highly tangled magnetic fields

: Dr. Sotani Hajime

17:05[10+5] □□□□□□□□□□□□□□□□□□□□□□□□: Dr. Kiuchi Kenta

17:20[10+5] □□□□□□□□□□□□□: Prof. Nitta Muneto

Poster session 17:35-19:00

List of Posters

Get together party 19:00 - 21:00

**Friday 18 September**

Newly accepted researches (□□□□□) 8:30-9:45

Conveners: Prof. Ohnishi Akira

8:30[10+5] (Lambda*=K^-p) clusters as constituents of high-density strange neutral matter

: Prof. Akaishi Yoshinori

8:45[10+5] <span style="font-family: Helvetica; font-size: 12px;">Recent experimental search for dense K^- nuclei: Possible sources of Dark Matter</span>

<span style="font-family: Helvetica; font-size: 12px;">: Prof. Yamazaki </span><span style="font-family: Helvetica; font-size: 12px;">Toshimitsu</span>

9:00[10+5] □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□: Prof. Kohno Michio

9:15[10+5] <span style="font-family: Helvetica; font-size: 12px;">Fast 2nd level trigger system for the YN scattering experiment in J-PARC</span>: Dr. Honda Ryotaro

9:30[10+5] A search for kaonic nuclei at SPring-8/LEPS2: Dr. Tokiyasu Atushi

Coffee break 9:45-10:00

Group B01 and B02 10:00 - 11:55

Conveners: Prof. Takahashi Toshiyuki

10:00[25+5] High density matter in neutron stars investigated through nucleus-nucleus collision

: Prof. Murakami Tetsuya

10:30[20+5] Construction of SPiRIT experimental system for heavy RI collision experiments

: Dr. Isobe Tadaaki

10:55[20+5] Status of ESPRI project: Dr. Zenihiro Juzo

11:20[10+5] Group B2 report: Prof. Nakamura Takashi

11:35[15+5] Gamma-ray detector CATANA and E1 response of n-rich Ca isotopes

: Dr. Togano Yasuhiro

Lunch 11:55 - 13:00

Group B02 and A02 13:00 - 14:50

Conveners: Prof. Murakami Tetsuya

13:00[15+5] Experimental study of unbound oxygen isotopes: Dr. Kondo Yosuke

13:20[15+5] □□□□□□□□□□□□□□□□□□□□□□: Prof. Sekiguchi Kimiko

13:40[25+5] □□□□□□□□□□□□□□□□□□□□ -A02□□□□□□□□□-: Prof. Tamura Hirokazu

14:10[15+5] □□□□□□□□□□□□□□□□: Dr. Miwa Koji

14:30[15+5] □□□□□□□□□□□□□□□□□□: Dr. Nagao Sho

Coffee break 14:55 - 15:10

Group D01 15:10 - 16:45

Conveners: Prof. Nakamura Takashi

15:10[10+5] EOS of an ultracold Fermi gas in the BCS-BEC crossover region

and application to neutron stars: Prof. Ohashi Yoji

15:25[5+5] Theory group (D01) report: Prof. Ohnishi Akira

15:35[15+5] An inhomogeneous chiral condensed phase in neutron stars: Dr. Lee Tong-Gyu

15:55[15+5] □□QCD□□□□□□□□□□□□□□□□□□□□□□□□□□: Prof. Nemura Hidekatsu

16:15[10+5] Constraining slope parameter of symmetry energy from nuclear structure

: Dr. Inakura Tsunenori

16:30[10+5] Production Reaction of Lambda(1405) from Faddeev Equations: Dr. Ohnishi Shota

Closing 16:45 - 16:55

Conveners: Prof. Nakamura Takashi

16:45[10] Closing remarks: Prof. Tamura Hirokazu