

The 9th AONSA Neutron School/The 2nd Neutron and Muon School

The 9th AONSA School and the 2nd Neutron and Muon School were jointly held in 16–20 November 2017 at J-PARC Materials and Life Science Experimental Facility (MLF) and Ibaraki Quantum Beam Research Center (IQBRC) in Japan. The school was for graduate students, post-graduate students, and young researchers.

The number of the applicant was more than we expected and finally we accepted 49 students from 13 countries: Japan(9), Korea(10), India(5), Australia (5), Thailand(5), China(4), Indonesia(4), Malaysia(2), Nepal(1), New Zealand(1), Russia(1), Taiwan(1), and Vietnam(1).

The following is a group photo during the school. The anterior half of the program was devoted mainly



to lectures and the posterior half to hands-on experiments.

The lectures started from the Introduction to MLF & JRR-3 by Prof. T. Kanaya (J-PARC), and then, Introduction to Neutron Science by Prof. Yamada (KEK), Neutron Production by Prof. Kiyanagi (Nagoya Univ.), Neutron Diffraction by Prof. Ohyama (Ibaraki Univ.), Inelastic scattering by Prof. Masuda (ISSP), Neutron Imaging/Non-destructive Analysis by Prof. Saito (KURRI), Structural Studies of Liquid & Amorphous by Prof. Otomo (KEK), Small Angle Neutron Scattering by Prof. Choi (KAIST), Neutron Reflectometry by Prof. Torikai (Mie Univ.), Neutron Physics by Prof. Shimizu (Nagoya Univ.), Introduction to Muon Science by

Prof. Kadono (KEK), Muon Spin Rotation/Relaxation by Prof. Adachi (Sophia Univ.), Muonic X-ray by Prof. Kubo (ICU), and Muon Physics by Prof. Saito (J-PARC) were followed. On the last day of the school, a Science Seminar was made by Prof. Koike (Tohoku Univ.). The president of AONSA, Prof. Sung-Min Choi gave a lecture on SANS. 10 neutron instruments and 1 muon instrument were used for the hands-on experiments. A photo at the hands-on experiment is shown below.

The students were very active and vivid. All lecturers had good impression for them. They



presented nicely the experimental results. And the Muon experiment group won the best presentation award.

We appreciate very much for financial support from IAEA and other support organizations,

Principal:

Yoshiaki Kiyanagi (Nagoya University)

Responsible person for execution of School:

Takenao Shinohara (J-PARC center)

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