

J-PARC Workshop: Application of Quantum Beams to Food Science



Report of Contributions

Contribution ID: 1

Type: **not specified**

Opening remarks

Tuesday, December 17, 2024 1:00 PM (15 minutes)

Presenter: Prof. SETO, Hideki (IMSS/J-PARC, KEK)

Contribution ID: 2

Type: **not specified**

Neutron scattering applications to food materials

Tuesday, December 17, 2024 1:15 PM (45 minutes)

Presenter: Prof. GILBERT, Elliot (Australian Center for Neutron Scattering & The University of Queensland)

Contribution ID: 3

Type: **not specified**

Dynamics of Thermal Gelation in Aqueous Solution of Agarose Studied by Quasi-Elastic Neutron Scattering

Tuesday, December 17, 2024 2:00 PM (30 minutes)

Presenter: Prof. YAMAMURO, Noriko (Tokyo Denki University)

Contribution ID: 4

Type: **not specified**

Visualizing Core-Shell Structure in Food Tablets with Different Synchrotron Radiation Measurements

Tuesday, December 17, 2024 2:30 PM (30 minutes)

Presenter: Dr KAMIYA, Tetsu (Nagase / Tohoku University)

Contribution ID: 5

Type: **not specified**

Food science with synchrotron radiation at NanoTerasu

Tuesday, December 17, 2024 4:00 PM (30 minutes)

Presenter: Prof. HIDAKA, Masafumi (Tohoku University)

Contribution ID: 6

Type: **not specified**

Synchrotron Radiation X-ray Diffraction Study for Cocoa Butter Crystallization with External Stimulation

Tuesday, December 17, 2024 4:30 PM (30 minutes)

Presenter: Prof. UENO, Satoshi (Hiroshima University)

Contribution ID: 7

Type: **not specified**

Application of imaging technologies for food sciences

Tuesday, December 17, 2024 5:00 PM (30 minutes)

Presenter: Prof. MATSUKAWA, Shingo (Tokyo Marine University)

Contribution ID: 8

Type: **not specified**

Texture control by understanding nanostructure of semi-hard cheese

Wednesday, December 18, 2024 9:30 AM (30 minutes)

Presenter: Prof. OHNUMA, Masato (Hokkaido University)

Contribution ID: 9

Type: **not specified**

(Cancelled)Microscopic observation of chocolate blooming, using polarized light microscopy and small angle X-ray scattering

Wednesday, December 18, 2024 9:00 AM (30 minutes)

Presenter: Prof. KOIZUMI, Satoshi (Ibaraki University)

Contribution ID: **10**

Type: **not specified**

Interface structure of ovalbumin aqueous solution in merengue foams

Wednesday, December 18, 2024 10:00 AM (30 minutes)

Presenter: Prof. KAWABATA, Youhei (Rakuno Gakuen University)

Contribution ID: 11

Type: **not specified**

Rheological properties of carrageenan gels driven by the structure and dynamics of the network

Wednesday, December 18, 2024 10:50 AM (30 minutes)

Presenter: Dr GEONZON, Lester (The University of Tokyo)

Contribution ID: 12

Type: **not specified**

Application of X-ray phase-contrast imaging methods for visualizing the structure of rice grains in precooked products

Wednesday, December 18, 2024 11:20 AM (30 minutes)

Presenter: Dr MIKI, Hiromi (KEK)

Contribution ID: 13

Type: **not specified**

Food science challenge of spectroscopic neutron imaging at HUNS

Wednesday, December 18, 2024 11:50 AM (30 minutes)

Presenter: Prof. SATO, Hirotaka (Hokkaido University)

Contribution ID: 14

Type: **not specified**

Closing remarks

Wednesday, December 18, 2024 12:20 PM (5 minutes)

Presenter: Prof. SETO, Hideki (IMSS/J-PARC, KEK)