

# Active Neutron Non-destructive Analysis Technology Development Workshop



JAEA Tokai Mirai Base

16 – 18 March 2026



## Program

### Monday, 16 March

| Time          | Topic                                                              |                                                  |
|---------------|--------------------------------------------------------------------|--------------------------------------------------|
| 09:00 – 09:15 | Registration                                                       |                                                  |
| 09:15 – 09:20 | Opening Remarks                                                    | ISCN - Director Naoko Inoue                      |
| 09:20 – 09:30 | Workshop introduction                                              | ISCN - Fabiana Rossi                             |
| 09:30 – 10:00 | History of the Active NDA Project                                  | ISCN - Mitsuo Koizumi                            |
| 10:00 – 10:25 | Overview of Past Active Neutron Research                           | JAEA - Harufumi Tsuchiya                         |
| 10:25 – 10:45 | Break                                                              |                                                  |
| 10:45 – 11:10 | NRTA Using a Laser-Driven Neutron Source                           | ISCN - Kota Hironaka                             |
| 11:10 – 11:35 | Delayed Gamma Ray Spectroscopy                                     | ISCN - Douglas Chase Rodriguez                   |
| 11:35 – 12:00 | Development in NDA Technologies at the JRC                         | EC-JRC - Peter Schillebeeckx                     |
| 12:00 – 13:00 | Lunch Break                                                        |                                                  |
| 13:00 – 14:20 | <u>Review</u> : Neutron Resonance Analysis (NRA)                   | JAEA - Harufumi Tsuchiya, Cebastien Joel Guembou |
| 14:20 – 14:40 | Break                                                              |                                                  |
| 14:40 – 16:00 | <u>Review</u> : Neutron Resonance Fission Neutron Analysis (NRFNA) | ISCN - Fabiana Rossi, Jaehong Lee                |
| 16:00 – 17:30 | Evaluation                                                         | Evaluators、ISCN - Fabiana Rossi, Tomooki Shiba   |
| 17:30         | Closing of Day 1                                                   |                                                  |

## Tuesday, 17 March

| Time          | Topic                                                            |                                                  |
|---------------|------------------------------------------------------------------|--------------------------------------------------|
| 施設見学          |                                                                  |                                                  |
| 09:00 – 09:30 | Move from Tokai Mirai Base to Nuclear Science Research Institute | ISCN - Jaehong Lee, Kota Hironaka                |
| 09:30 – 10:00 | <u>Review</u> : Visit the NRA System                             | JAEA - Harufumi Tsuchiya, Cebastien Joel Guembou |
| 10:00 – 10:30 | <u>Review</u> : Visit the NRFNA system                           | ISCN - Jaehong Lee, Fabiana Rossi                |
| 10:30 – 11:00 | Move back to Tokai Mirai Base                                    | ISCN - Jaehong Lee, Kota Hironaka                |
| 11:00 – 12:00 | Evaluation (continued)                                           | Evaluators、 ISCN - Fabiana Rossi, Tomooki Shiba  |
| 12:00 – 13:00 | Lunch Break                                                      |                                                  |
| 13:00 – 14:00 | Feedback Session                                                 | Evaluators、 ISCN - Fabiana Rossi, Tomooki Shiba  |
| 14:00 – 14:25 | Participant Presentation (1)                                     | TBD                                              |
| 14:25 – 14:50 | Participant Presentation (2)                                     | TBD                                              |
| 14:50 – 15:15 | Participant Presentation (3)                                     | TBD                                              |
| 15:15 – 15:35 | Break                                                            |                                                  |
| 15:35 – 16:00 | Participant Presentation (4)                                     | TBD                                              |
| 16:00 – 16:25 | Participant Presentation (5)                                     | TBD                                              |
| 16:25 – 16:50 | Activities at the Nuclear Data Center                            | JAEA - Gerard Rovira Leveroni                    |
| 17:00         | Closing of Day 2                                                 |                                                  |
| 18:00         | Non host dinner (registration needed)                            |                                                  |

**Wednesday, 18 March \***

| Time          | Topic                      |                                                               |
|---------------|----------------------------|---------------------------------------------------------------|
| 09:00 – 10:30 | *REFIT Theory              | EC-JRC - Peter Schillebeeckx                                  |
| 10:30 – 11:00 | Break                      |                                                               |
| 11:00 – 12:00 | REFIT Input File Practice  | JAEA - Gerard Rovira Leveroni<br>EC-JRC - Peter Schillebeeckx |
| 12:00 – 13:00 | Lunch Break                |                                                               |
| 13:00 – 16:30 | REFIT Practice (continued) | JAEA - Gerard Rovira Leveroni<br>EC-JRC - Peter Schillebeeckx |
| 16:30 – 17:00 | Summary                    | ISCN – Fabiana Rossi                                          |
| 17:00         | Closing Remarks            | ISCN – Tomoki Yamaguchi                                       |

\* REFIT code license should be obtained prior to this day ( <https://www.oecd-nea.org/tools/abstract/detail/nea-0914/> )

Please note that the agenda may be subject to change.