

## **Session Program**

7-9 Jul 2025

# **Theory Service for the Low Energy Nuclear Physics Community: a Hands-on Workshop**

## ***MeanField4Exp and Physics Behind***

ECT\*, Aula Renzo Leonardi  
Strada delle Tabarelle 286, I-38123 Villazzano (Trento)

# Monday 7 July

09:10

## MeanField4Exp and Physics Behind

Session | Location: ECT\*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento) | Convener: Gianluca Colo

09:10–10:10

### Realistic Phenomenological Nuclear Mean Field Theory: Physics Background for Experimentalists

Speaker

Jerzy Dudek

10:10–10:40

Coffee break

10:40–11:15

### MeanField4Exp. Examples of service applications: Single nucleon energies in deformed nuclei

Speaker

Jerzy Dudek

11:15–11:50

### MeanField4Exp. Examples of service applications: Macroscopic-Microscopic Method (MMM) for potential energy calculations in the user chosen formats

Speaker

Kasia Mazurek

11:50–12:25

### MeanField4Exp. Examples of service applications: Nuclear shape evolution with spin, impact on the Giant Dipole Resonance Strength – comparison with experiment

Speaker

Adam Maj

12:25

14:00

## MeanField4Exp and Physics Behind

Session | Location: ECT\*, Aula Renzo Leonardi, Strada delle Tabarelle 286, I-38123 Villazzano (Trento) | Conveners: Kasia Mazurek, Adam Maj

14:00–16:00

Hands-on practice on the MeanField4Exp platform

16:00–16:30

Coffee Break

16:30–18:00

Hands-on practice on the Mean4Exp platform. Final discussion, feedback on the platform

18:00