

Tentative program, workshop on the (beta-)Oslo method NSCL/MSU, Dec 1-4, 2015

Tuesday Dec 1 – 10am-3pm Rm 4129, 3pm-5pm Rm 3129

Morning session

10:00 – 10:15AM Intro and plan of the week
10:15 – 12:00AM Introductions to the “standard” Oslo method (theory)
Extracting ^{57}Fe matrix and interpretation

12:00AM – 13:00PM Break

Afternoon session

13:00PM – 13:15PM Summary & questions, morning session
13:15PM – 15:00PM Unfolding (theory)
Unfolding ^{57}Fe matrix
Primary matrix, unnormalized NLD& γ SF (theory)
15:15PM – 15:30PM Summary & questions, afternoon session

Wednesday Dec 2 – Rm 2129

Morning session

10:00 – 12:00AM Extract ^{57}Fe primary matrix
“rhosigchi” on ^{57}Fe matrix, unnormalized NLD& γ SF

12:00AM – 13:00PM Break

Afternoon session

13:00PM – 13:15PM Summary & questions, morning session
13:15PM – 15:15PM Normalization of NLD& γ SF
- Neutron resonance parameters for normalization (RIPL3)
- “counting” and “normalization” on ^{57}Fe
- Root plots of normalized NLD& γ SF
15:15PM – 15:30PM Summary & questions, afternoon session

Thursday Dec 3 – Rm. Executive Conference Room

Morning session

- 10:00 – 12:00AM Beta-Oslo method
- Challenges compared to the “standard” Oslo method – spin
 - Case study: $^{76}\text{Ga} \rightarrow ^{76}\text{Ge}$
 - Unfolding and f.g. method on the ^{76}Ge matrix

12:00AM – 13:00PM Break

Afternoon session

- 13:00PM – 13:15PM Summary & questions, morning session
- 13:15PM – 15:15PM “rhosigchi” & normalization, ^{76}Ge NLD& γ SF
- 15:15PM – 15:30PM Summary & questions, afternoon session
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Friday Dec 4 – Rm 3129

Morning session

- 10:00 – 12:00AM Systematic uncertainties in the (beta-) Oslo method
- Lower and upper limits, spin
 - Systematics of neutron resonance parameters
 - GDR data

12:00AM – 13:00PM Break

Afternoon session

- 13:00PM – 13:15PM Summary & questions, morning session
- 13:15PM – 15:15PM Cross-section and reaction rate calculations with TALYS
- Calculations with default models in TALYS
 - Calculations based on NLD& γ SF data
- 15:15PM – 15:30PM Summary & questions, afternoon session