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 57Fe 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 57Fe matrix

Primary matrix, unnormalized NLD&SF (theory)

15:15PM – 15:30PM Summary & questions, afternoon session

Wednesday Dec 2 – Rm 2129

**Morning session**

10:00 – 12:00AM Extract 57Fe primary matrix

“rhosigchi” on 57Fe matrix, unnormalized NLD&SF

12:00AM – 13:00PM Break

**Afternoon session**

13:00PM – 13:15PM Summary & questions, morning session

13:15PM – 15:15PM Normalization of NLD&SF

- Neutron resonance parameters for normalization (RIPL3)

- “counting” and “normalization” on 57Fe

- Root plots of normalized NLD&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: 76Ga → 76Ge

- Unfolding and f.g. method on the 76Ge matrix

12:00AM – 13:00PM Break

**Afternoon session**

13:00PM – 13:15PM Summary & questions, morning session

13:15PM – 15:15PM “rhosigchi” & normalization, 76Ge NLD&SF

15:15PM – 15:30PM Summary & questions, afternoon session

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&SF data

15:15PM – 15:30PM Summary & questions, afternoon session