Minutes of the

Cremlin+ Task 3.2 kick-off Meeting

12.06.2020

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PK made a presentation with general overview of the task and its milestones and deliverables. All representatives followed with describing their institutions’ contributions to the project and agreed on following points:

1. Each institute will be responsible for simulations of one or two instruments, namely:
   1. SANS - HZG
   2. Reflectometer - FZJ
   3. Powder Diffractometer – TUM + LLB as observer
   4. Triple-Axis Spectrometer - PNPI
   5. TOF Spectrometer – PNPI + TUM support
   6. NSE Spectrometer – FZJ

The expected result of simulations is a comparison of instrument performance on LD2 and pH2 cold neutron sources at heavy water reactors, in particular – PIK reactor.

1. The instrument list will be presented to SAC subcommittees this Autumn. The list is subject to changes, such as expanding or making more specific description of the instruments.
2. The instruments models to be used should be of state-of-the-art quality, allowing for easy reference to ILL or ESS instruments. Exact instruments, on which the models are based, will be chosen later.
3. PNPI and FZJ will provide data for sources simulation.
4. PNPI will develop and present a guideline for simulating all instruments on a similar basis. PNPI will set up a git hub repository to store all the information regarding the project.