

SEASTAR Collaboration Bylaws

P. Doornenbal, A. Obertelli and the SEASTAR Steering Board

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0. Objectives

The “Shell Evolution And Search for Two-plus energies At RIBF” (SEASTAR) collaboration is organized around the Proposal for Scientific Program (PSP, NP1312-RIBF118) with the DALI2-MINOS setup at the Radioactive Isotope Beam Factory (RIBF). Decisions are taken by Spokespersons assisted by the Steering Board (SB).

The SEASTAR SB advises on

- i) experiments to be performed,
- ii) data sharing for each experimental campaign,
- iii) reviews data analysis progress,
- v) considers questions raised by collaboration members.

Requests, comments, and suggestions related to SEASTAR can be raised by any collaboration member through the SB (*seastar-sb at ribf.riken.jp*) and will be addressed in the following SB meeting. SB meetings will be organized with a period of about two to three months.

The two spokespersons may request advises from the SB for major decisions at any time.

Yearly collaboration workshops will be organized to discuss results, future experiments and SEASTAR related projects. Preferably, SEASTAR workshops will be integrated into SUNFLOWER workshops.

After the first experimental campaign, analysis meetings will be organized. The two spokespersons are responsible for their organization and a regular review of the analysis progress. All persons in charge of an ongoing analysis will be asked to report at these meetings. Regular participation to the meetings will be required. It is foreseen that the analysis meetings will be organized with a period from 2 to 3 weeks. The two spokespersons will report analysis progress to the SB.

I. Membership and authorship:

Everyone interested in the SEASTAR physics case and willing to commit to the collaboration is welcome to join the collaboration and become a collaboration member. Collaboration members

(experimentalists) should join the SUNFLOWER collaboration and the MINOS collaboration by signing up on their respective web-site. One can join SEASTAR collaboration by sending an email to the two spokespersons (seastar-contact *at* ibf.riken.jp).

A core list of authors of SEASTAR publication will be established prior each experimental campaign and be based on the actual commitment of individuals. Commitment includes technical developments and preparation of the experiment.

Additional collaboration members who participated significantly to the campaign, data taking, analysis and/or interpretation will also be considered as authors. Any related conflicts will be treated case by case by the SB.

II. Spokespersons

Spokespersons are P. Doornenbal and A. Obertelli, appointed up to august 2015. They lead the organization of the SEASTAR collaboration. At the end of term for this first appointment, the SEASTAR organizational scheme will be re-discussed inside the collaboration.

III. Steering Board

The SEASTAR Steering Board (SB) is organized to deal with issues related to the SEASTAR collaboration. The SB is composed of members of the collaboration elected by the collaboration and the two spokespersons. The first SB is composed of 6 elected members. The SB is chaired by the two spokespersons. Chief scientists connected to SEASTAR are ex officio members of the SB. The SB represents the collaboration.

On mutual agreement, the SB has the right to invite new members from the collaboration.

IV. Connection to SUNFLOWER

SEASTAR belongs to SUNFLOWER in the same way as other individual proposals submitted to the NP-PAC. The SUNFLOWER Steering Committee should be informed of SEASTAR's intents for experimental campaigns and workshops and regular communication between the two entities is foreseen.

Workshops and open discussions about SEASTAR activities should be organized within the SUNFLOWER framework.

V. Data Sharing:

Data sharing concerning the "core measurements" (measurements explicitly mentioned in the

proposal) will be decided within the SB prior to the experimental campaigns. Decisions and motivations will be made public to the collaboration.

Measured “By-products” will be open to the collaboration after the respective experimental campaigns.

A dedicated SEASTAR event (workshop or webinar) will be organized after every experimental campaign to present observed reaction channels (particle ID of incoming particles and outgoing particles) to the collaboration.

After the event, the collaboration members are invited to send a one-page “analysis proposal” to the SB stating *(i)* the reaction channel(s) to be analyzed, *(ii)* giving short motivations with references and *(iii)* demonstrating that the group of members that propose the analysis has sufficient expertise and manpower for the analysis. The SB will evaluate the “analysis proposals” and decide on the approval on a case-by-case base taking into account also the collaboration member's commitment to SEASTAR.

Collaborators involved in the analysis of SEASTAR data will be invited to present the progress of their work during SEASTAR/SUNFLOWER workshops.

Everyone in charge of data analysis can publically present his/her results. For track records, it is expected that all presentations and abstracts including SEASTAR material is sent to seastar-contact at ribf.riken.jp. Communications including general results from SEASTAR should be sent to spokespersons prior presentation or submission.

All co-authors should receive any manuscript before submission.