

OFFICE OF FACET DIVISION

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## Charge letter to the FACET-II Program Advisory Committee

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The charge of the Program Advisory Committee (PAC) is to evaluate the merit and the feasibility of the new proposals, assess priorities for the initial experimental operations, and review the development plans at SLAC's FACET-II DOE Office of Science user facility. In addition, experiments that are preparing for beam time during user-assisted commissioning of FACET-II will present a status report and their readiness will be evaluated by the committee.

The committee is expected to meet approximately once per year and reports to the Head of the SLAC FACET Division. The committee is supported with ad hoc consultants as necessary.

The specific charge for the PAC is to:

- Evaluate the scientific merit and rate the technical risk of new proposals for FACET-II.
- Determine whether the new proposals are appropriate at this time or in the future.
- Review existing experimental programs. The committee should also evaluate which elements need further in-depth analysis (for example):
  - Is the science unique and is the progress compelling?
  - Is the program making effective use of the facility and lab resources?
  - Could the program be enhanced by expanding the collaboration?

In addition, the committee is requested to evaluate the FACET-II operational priorities and comment on any perceived weaknesses.

The proposals are rated using the following rating scale:

- Excellent
- Very Good
- Good
- Fair
- Not well suited

The rating is based on:

- The scientific merit of the proposal, assuming successful execution.
- The technical risk associated with the detailed measurements and requested beam parameters.
- The suitability of the experiment for FACET-II in terms of beam energy, bunch length, beam emittances, etc.

The reviewers should note if they feel that the experiment could be more reasonably performed at an alternate facility. If additional information is needed for a full evaluation, the review committee should note this and may make a qualified rating or defer the review if appropriate.

Sincerely,  
Vitaly Yakimenko  
FACET and TF Division Director

