



**FACET AND TEST FACILITIES DIVISION**

Dr. Mark J. Hogan  
Senior Staff Scientist  
FACET and Test Facilities Division Director  
hogan@slac.stanford.edu  
+1-650-926-2951

October 20, 2022

**RE: CHARGE TO 2022 FACET-II PROGRAM ADVISORY COMMITTEE**

The charge of the Program Advisory Committee (PAC) is to evaluate the merit and the feasibility of proposed experiments and review the progress of the existing R&D program at SLAC's FACET-II National user facility. In addition, experiments that have already received beam time are evaluated concerning progress, effectiveness and plans for the next allocations beam time.

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 and evaluate which elements may 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 a scale: Excellent, Very Good, Good, Fair and 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 still needed for a full evaluation, the review committee should note this and may make a qualified rating or may skip the review if appropriate.

A handwritten signature in black ink that reads 'Mark J. Hogan'.

Mark J. Hogan