

Charge to Committee

The AWA R&D program is centered on *electron beam-driven wakefield acceleration* with three major thrust areas:

- (i) High Gradient and High Efficiency Acceleration.
- (ii) Electron beam phase space manipulation.
- (iii) Electron source development.
- (iv) Support for external users

We kindly request an evaluation of:

1. The merit, impact, quality of the recent research efforts
2. The scientific significance, merit and feasibility of the proposed future research program and its alignment with the long-term goals of the Office of High Energy Physics.
3. The adequacy of the resources for carrying out the research program and the cost-effectiveness of the program
4. The balance of AWA's own research program versus support for collaborators, drawn from scientists internal and external to Argonne.
5. The priorities of the AWA group with respect to research and user support and how they align with the needs of the field and its long-term roadmap.
6. The integration of AWA with the Argonne Accelerator Institute
7. The status of the facility and its infrastructure