



## Michigan State University - Facility for Rare Isotope Beams, East Lansing, USA 1st Announcement

Dear Colleagues,

This is the first announcement of the 7<sup>th</sup> High Power Targetry Workshop, which will be hosted by and will take place at the Facility for Rare Isotope Beams, East Lansing, USA, from June 4<sup>th</sup> to June 8<sup>th</sup>, 2018.

The HPT Workshop brings together scientists and engineers from the international community for particle accelerator targetry.

Applications include neutrino facilities, neutron facilities, radioactive ion beam facilities, material irradiation facilities, accelerator driven systems, and precision experiments for rare processes.

Themes for the workshop include:

1. R&D to support concepts  
*Target physics, testing, material selection*
2. Radiation damage in target material and related simulations  
*Materials under irradiation, related databases, simulation status and issues*
3. Post-irradiation examination  
*PIE results and feedback to R&D and design*
4. Target design, analysis, validation of concepts  
*Design optimization, thermal, mechanical, thermo-hydraulic simulations*
5. Target facility challenges  
*Optimizing facility architecture, radiation protection, remote handling, availability, and upgrade-ability*
6. Construction, fabrication, inspection, quality assurance  
*Integration, QA plan, feedback/experience*
7. Operation of targets and beam dumps  
*Operational experience, monitoring and instrumentation*
8. Multipurpose use of targets and beam dumps  
*Isotope harvesting, neutron irradiation, dark matter*

Time will be available for open discussion and we would welcome suggestions of suitable topics.

For those who are interested in establishing inter-laboratory collaborations, we may provide support to organize satellite meetings.

Those who need visa to arrive to the US please contact us as soon as possible at [hptw2018@frib.msu.edu](mailto:hptw2018@frib.msu.edu) to get a formal invitation.

The workshop website is now available at: <http://indico.fnal.gov/e/hptw2018>

We look forward to welcome you at East Lansing.

### Scientific Program Committee:

C. Boehlert (MSU-CHEMS)  
M. Calviani (CERN)  
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### Local Organizing Committee:

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W. Mittig (Co-chair)  
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