**SNS Accelerator Advisory Committee Meeting**

**Agenda as of February 15, 2016**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Event contact | Lisa Eady, 865-574-0557 (office); 865-567-7202 (mobile); eadylb@ornl.gov | | | | | |
| **Time** | **Event** | | **Lead** | | **Attendees** | **Place** |
| **Tuesday, February 16, 2016** | | | | | | |
| *7:30 - 7:45 am* | *Badging* | |  | | *Committee Members* | *Guest House* |
| 8:00 – 8:30 am | Executive Session | | Kevin Jones, Director, Research Accelerator Division (RAD) | | Committee Members | C-156 |
| 8:30 – 8:45 am | T1. Neutron Sciences Directorate (NScD) Overview | | Paul Langan, Associate Lab Director, NScD | | All | C-156 |
| 8:45 – 9:15 am | T2. Accelerator and Target Systems Management Overview and Responses to 2015 AAC Recommendations | | Kevin Jones, RAD | | All | C-156 |
| 9:15 – 9:45 am | T3. Operations Report for FY15 and  FY16 - Q1 | | Glen Johns, Group Leader, Accelerator Operations | | All | C-156 |
| 9:45 - 10:00 am | Discussion | |  | | All | C-156 |
| *10:00 – 10:20 am* | *Morning Break with refreshments* | |  | | All | *C-156* |
| 10:20 – 10:50 am | T4. Progress to 1.4 MW Reliable Operations | | Michael Plum, Acting Group Leader, Accelerator Physics, Beam Instrumentation & Ion Source (APBIIS) | | All | C-156 |
| 10:50 – 11:20 am | T5. Overview of Target Initiatives for the First Target Station | | Mark Wendel, Group Leader, Source Development and Engineering Analysis | | All | C-156 |
| 11:20 – 12:00 pm | T6. Overview of Proton Power Upgrade (PPU) and Second Target Station (STS) Projects | | John Galambos, Project Director, STS Project | | All | C-156 |
| *12:00 – 1:00 pm* | *Working Lunch / Continue Discussion of PPUP and STS* | | *Pick up lunch and return to C-156 to eat* | | All | *C-150* |
| 1:00 – 1:30 pm | T7. The SNS Accelerator Improvement Program | | George Dodson, Deputy Director, RAD | | All | C-156 |
| 1:30 – 2:00 pm | T8. Planning Initiatives for the 2017 Long Outage | | Kevin Jones, RAD | | All | C-156 |
| 2:00 – 2:30 pm | T9. Beam Dynamics Studies at the ITSF and Collaborative Accelerator R&D | | Sarah Cousineau, Physicist, APBIIS | | All | C-156 |
| 2:30 – 2:50 pm | Discussion | |  | | All | C-156 |
| *2:50 – 3:10 pm* | *Afternoon Break with refreshments* | |  | | All | *C-156* |
| 3:10 – 3:40 pm | T10. Controls and Protection Systems | | Karen White, Group Leader, Control Systems | | All | C-156 |
|  |  | |  | |  |  |
| **Time** | **Event** | | **Lead** | | **Attendees** | **Place** |
| **Tuesday, February 16, 2016 (cont.)** | | | | | | |
| 3:40 – 4:10 pm | T11. Achievements in In-Situ Plasma Processing of High-beta Cavities | | Marc Doleans, Physicist, Superconducting Linac Systems (SCLS) | | All | C-156 |
| 4:10 – 4:40 pm | Discussion | |  | | All | C-156 |
| 4:40 – 6:00 pm | Executive Session | |  | | Committee only – others at Committee request | C-156 |
| *6:40 – 8:40 pm* | *Review Dinner and Discussion* | | *Kevin Jones – Dinner topic: Proton Power Upgrade and Second Target Station* | | *All* | *Lakeside Tavern, Concord Drive, Knoxville, TN* |
|  |  | |  | |  |  |
| **Time** | **Event** | | **Lead** | | **Attendees** | **Place** |
| **Wednesday, February 17, 2016** | | | | | | |
| 8:00 – 9:30 am | Tour of SNS Accelerator/Target Facilities | | George Dodson / Michael Baumgartner | | Committee Only | Depart from  C-156 |
| 9:30 – 9:45 am | Executive Session | |  | | Committee Only | C-156 |
|  | |  | |  | | |
|  | | ***Accelerator Breakout Sessions, C-156*** | | ***Target Breakout Sessions, C-152*** | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 9:45 – 10:15 am | WA1. Status of Linac High Voltage Converter Modulator Upgrades | Dave Anderson, HVCM Team Leader, High Voltage and Pulsed Power | WT1. Target Systems Operations Experience and Remote Handling | Mike Baumgartner, Group Leader, Mechanical Systems and Operations |
| *10:15 – 10:30 am* | *Morning Break/refreshments* | *All* | *Morning Break/refreshments* | *All* |
| 10:30 – 11:00 am | WA2. Advances in Accumulator Ring Beam Damping | Nick Evans, Postdoctoral Research Associate, APBIIS | WT2. Summary of Development and Engineering Activities and Staffing | Mark Wendel, Target Systems Engineering Lead |
| 11:00 – 11:30 am | WA3. Progress in Ion Source Operation for Consistent High Current and Long Life Performance | Martin Stockli, Ion Source Team Leader, APBIIS | WT3. Update on Target Post-Irradiation Examination | Bernie Riemer, Engineering Analysis Team Lead |
| 11:30 am – 12:00 pm | Discussion | All | WT4. Mercury Vessel In-Situ Instrumentation Progress and Direction | Mark Wendel |
| *12:00 – 1:00 pm* | *Working Lunch / Discussion of Accelerator Status and Upgrades* | *Pick-up lunch from Room C-150* | *Working Lunch / Discussion of Target Operations and Progress* | *Pick-up lunch from Room C-150* |
| 1:00 – 1:30 pm | WA4. Laser Stripping Experiment Status | Sarah Cousineau, Physicist, APBIIS | WT5. Target Module Fabrication Status | Drew Winder, Target Systems Engineer |
| 1:30 – 2:00 pm | WA5. PPU Ring and Beam Transport System Upgrades | Michael Plum, Acting Group Leader, APBIIS | WT6. Target Module Design & Analysis Status | Drew Winder |
| 2:00 – 2:30 pm | WA6. Operational Performance and Development Projects for Magnet Power Supplies, Kickers, and Choppers | Robert Saethre, Power Supplies, Kickers and Choppers Team Lead, Electrical and RF Systems (EERF) | Discussion/ supplementary slides as needed | All |
| 2:30 – 3:00 pm | WA7. Software Tools for Simulation and Operation | Andrei Shishlo, Physicist, APBIIS | continued |  |
| **Wednesday, February 17, 2016 (cont.)** | | | | |
|  | ***Accelerator Breakout Sessions, C-156*** | | ***Target Breakout Sessions, C-152*** | |
| 3:00 – 3:20 pm | Discussion | All | *Afternoon Break/refreshments* | *C-150* |
| *3:20 – 3:40 pm* | *Afternoon Break/refreshments* | *C-150* | WT7. Implementing Gas Bubble Mitigation at SNS: Short and Long Term | Bernie Riemer |
| 3:40 – 4:10 pm | WA8. Status of the Linac Radio Frequency (RF) Systems | John Moss, Linac RF Team Lead, EERF | continued |  |
| 4:10 – 4:40 pm | WA9. Status of Beam Diagnostics Systems | Sasha Aleksandrov, Beam Instrumentation Team Lead, APBIIS | Discussion/supplementary slides as needed | All |
| 4:40 – 5:10 pm | WA10. SCL System Status, SRF Activities, and PPU Strategy | Matt Howell, Lead Engineer, SCLS | WT8. STS Target Concepts | Mark Rennich, Engineer, STS Pre-Conceptual Development |
| 5:10 – 5:30 pm | Discussion | All | continued |  |
| 5:30 – 6:00 pm | Executive Session/Questions for SNS Management | Committee Only |  |  |
| 6:00 – 7:00 pm | Executive Session | Committee Only |  |  |
| 7:00 pm - ? | Dinner on your own |  |  |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Time** | **Event** | **Lead** | **Attendees** | **Place** |
| **Thursday, February 18, 2016** | | | | |
| 8:00 – 11:00 am | Executive Session/Management Response to Questions |  | Committee Only | C-156 |
| 11:00am–12:00pm | Closeout |  | All | C-156 |