

SCHOOL AGENDA  
 MAY 22-25, 2005

|                               | Location         | Session          | Topic   | Speakers        |
|-------------------------------|------------------|------------------|---|-----------------|
| <b>Sunday 22nd</b>            |                  |                  |   |                 |
| 7:00 pm                       | Doubletree Hotel | 1                | Welcome Reception<br>Get acquainted, check training, assign groups and docent | Various         |
| <b>Monday 23<sup>rd</sup></b> |                  |                  |   |                 |
|                               | Doubletree Hotel | <b>Breakfast</b> |   |                 |
| 7:30 am                       |                  |                  | <b>Shuttle provided to ORNL</b>   |                 |
| 8:00 am                       | ORNL             | 1                | Welcome   |                 |
| 8:30 am                       | “                | 2                | RIB Science – Motivation for RIB Ion Sources                                  | David Dean      |
| 9:30 am                       | “                | 3                | ISOL and Ion Sources – Past and Future  | Helge Ravn      |
| 10:30 am                      | “                | <b>Break</b>     |   |                 |
| 11:00 am                      | “                | 4                | HRIBF – Overview (detailed, technical examples of one RIB facility)           | Dan Stracener   |
| 12:00 pm                      | “                | <b>Lunch</b>     |   |                 |
| 1:00 pm                       | “                | 5                | Training  |                 |
| 3:30 pm                       | “                | 6                | Lab Exercise  |                 |
| 6:00 pm                       | “                | <b>Supper</b>    | Pizza On-Site   |                 |
| 7:30 pm                       | “                | 7                | Tour of HRIBF – 5 different groups with docent                                |                 |
| 9:00 pm                       | Doubletree Hotel | <b>Snacks</b>    | <b>Shuttle provided back to hotel</b>   |                 |
| <b>Tuesday 24th</b>           |                  |                  |   |                 |
|                               | Doubletree Hotel | <b>Breakfast</b> |   |                 |
| 7:30 am                       |                  |                  | <b>Shuttle provided to ORNL</b>   |                 |
| 8:30 am                       | ORNL             | 1                | Nuclear Production – Future Facilities  | John D’Auria    |
| 9:30 am                       | “                | 2                | Diffusion/Effusion  | Antonio Villari |
| 10:30 am                      | “                | <b>Break</b>     |   |                 |
| 11:00 am                      | “                | 3                | Diffusion/Effusion Chemistry, Materials for Ion Sources                       | Ulli Köster     |
| 12:00 pm                      | “                | <b>Lunch</b>     |   |                 |
| 1:00 pm                       | “                | 4                | Lab Exercises   |                 |
| 3:30 pm                       | “                | 5                | Lab Exercises   |                 |
| 6:00 pm                       | Calhoun’s        | <b>Supper</b>    | <b>Shuttle will be provided to restaurant</b>                                 |                 |

SCHOOL AGENDA  
MAY 22-25, 2005

|                       | Location         | Session          | Topic   | Speakers    |
|-----------------------|------------------|------------------|---|-------------|
| <b>Tuesday 24th</b>   | <b>Cont.</b>     |                  |   |             |
| 8:00 pm               | Doubletree Hotel | 6                | Poster Session, <b>Shuttle will be provided back to hotel</b>             |             |
| <b>Wednesday 25th</b> |                  |                  |   |             |
|                       | Doubletree Hotel | <b>Breakfast</b> |   |             |
| 7:30 am               |                  |                  | <b>Shuttle provided to ORNL</b>   |             |
| 8:30 am               | ORNL             | 1                | Principles of Ionization  | Ulli Köster |
| 9:30 am               | “                | 2                | Alternative Ionization Schemes  | Mark Huyse  |
| 10:30 am              | “                | <b>Break</b>     |   |             |
| 11:00 am              | “                | 3                | Beam Manipulation, Ion Optics   | Jerry Nolen |
| 12:00 pm              | “                | <b>Lunch</b>     |   |             |
| 1:00 pm               | “                | 4                | Lab Exercises   |             |
| 3:30 pm               | “                | 5                | Lab Exercises   |             |
| 6:00 pm               |                  |                  | <b>Shuttle back to hotel to freshen up and pick up Workshop attendees</b> |             |
| 6:30 pm               | Doubletree Hotel | 6                | Shuttle to Banquet – Museum of Appalachia                                 |             |
| 8:00 pm               | MoA              | <b>Supper</b>    | School Banquet and Workshop Welcome Banquet – Museum of Appalachia        |             |

Proposed Experiments:

1. Operate Off-Line Isotope Separator at Ion Source Test Facility – 2
2. On-Line Experiment at OLTF
3. Assemble Ion Source (including discussion of target materials)
4. Material Test Stand – Radioactivity Release
5. Off-Line Heater – Radioactivity Release