INTC 69: ISOLDE coordinator presentation

- Final Summary of 2021
- 2022 planning
- Around the hall: new setups
- CERN access
- Training
### ISOLDE Schedule 2021: weeks 25 - 46

#### GPS schedule 2021

<table>
<thead>
<tr>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
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#### HRS schedule 2021

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Start of protons for physics: 21 June
End of protons for physics: 15 November

IS701: Pb
• Resuming the machine/run after the AUG cuts was quite painful.
• CRIS were finally able to continue, a lot of effort from the technical teams.
• On the limit of being worthwhile...2022 Winter Physics may depend on when the AUG tests are...
<table>
<thead>
<tr>
<th>Row Labels</th>
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<th>Sum of actual</th>
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<td>Nuclear structure from beta-decay</td>
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<td><strong>Grand Total</strong></td>
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<td><strong>367.5</strong></td>
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### ISOLDE backlog before this meeting

Most difficult part of backlog is HIE ISOLDE and Miniball in particular.

### Summary of INTC 69

<table>
<thead>
<tr>
<th>Row Labels</th>
<th>Count of Title</th>
<th>Sum of Shifts requested</th>
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<tr>
<td>Grand Total</td>
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https://indico.cern.ch/event/1112243/
Update of the YETS schedule

Further optimisation requested by Research Board in favour of NA62 and NA64e

Draft Accelerator schedule for 2022

- ISOLDE physics start: March 28th
- End of protons, not necessarily of physics: November 28th (but short period for winter physics).
- 245 days of physics
- Also very high demand throughout the complex. Number of supercycles could be limited at times.
- In discussion with PS/SPS coordinator on how best to balance the request for protons.
ISOLDE commissioning programme in 2022

<table>
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<tr>
<th>Accelerators</th>
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<td>&lt;br&gt;OCT &lt;br&gt;44 &lt;br&gt;45 &lt;br&gt;46 &lt;br&gt;47 &lt;br&gt;48 &lt;br&gt;49</td>
<td>&lt;br&gt;NOV &lt;br&gt;49 &lt;br&gt;50 &lt;br&gt;51 &lt;br&gt;52</td>
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- 245 days for physics but, only ~131 days for HIE-ISOLDE. Could even be shorter if AUG tests are around early Dec
- The annual warm-up of the cryoplant is very limiting.
Beam requests for 2022

Beam requests were received before Christmas.

As can be seen: very high demand

Miniball will be back in 2022, but no T-REX this year.

Almost 50% of the shift request for HIE ISOLDE but only 50% of the running period possible.
Initial plan/limitations for 2022

Discussions ongoing with various groups for the first weeks of the schedule. Covid contaminations and recovery from operations have affected some groups.

Also, delivery of components have delayed some plans.

First draft is being discussed with first groups.

Again, like 2021, first weeks will favour local groups due to covid issues.

Planning for first ~10 weeks will be released soon.

Then updated through the year: up to HIE ISOLDE period; then mid Autumn then end of year, including winter physics if this is possible.

Some supply issues also affecting targets: limited number of bases in stock, to be shared with Physics, development and MEDICIS.

Good stock of used targets for some of the early runs.

Some «exotic» units expected e.g. quartz lines. Required for some of the physics runs, but also to allow for transfer of expertise. Upcoming retirement of target experts.
Follow-up on call for LOIs: Feb 2020 (Space in the hall)

New Mossbauer setup(s): no space issues

Modified surface science setup: temporary @LA2 an option when MIRACLs leaves, but would benefit from more permanent installation.

Multipac magnet: April 2022
Will go to 275 for testing. Longer term?
MIRACLS installation at LA2 and old NICOLE space. PUMA installation also being closely followed.
CERN currently in level RED

<table>
<thead>
<tr>
<th>Telework (TW) measures*</th>
<th>Access to CERN sites**</th>
<th>CERN clubs</th>
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<tbody>
<tr>
<td>- Members of personnel (MP) who can telework should telework, though one day per week on-site is possible.</td>
<td>- MP and honorary members are authorised, only for professional reasons and in consultation with their supervisors.</td>
<td>- Club activities outside CERN: Host State regulations apply</td>
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<tr>
<td>- MP who can telework should telework, though two days per week on-site are possible.</td>
<td>- Retires can access on-site facilities, such as bank safe deposit boxes, the CHS office or the pension fund, only if strictly necessary.</td>
<td>- No club activities are allowed on site</td>
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<tr>
<td>- Normal working conditions apply.</td>
<td>- Relatives of CERN Members of Personnel are not authorised.</td>
<td>- No club activities are allowed on site</td>
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<tr>
<td>- Normal working conditions apply.</td>
<td>- CERN club members are not authorised</td>
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<td>** Note: Club activities outside CERN: Host State regulations apply</td>
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</table>

** Note: Club activities outside CERN: Host State regulations apply.

Masks and proximeters mandatory.
Remote meetings still favoured.

Public on-site events within the fenced area
- Not allowed

Allowed with measures similar to those in Geneva public events and within CERN access measures

Distributors of hand sanitizing gel available at entrance

Vulnerability to COVID-19
It is the responsibility of each person to declare a vulnerability.
For people with a declared vulnerability, specific protection plans must be defined, independently of the COVID-19 level in place.

Please note
Measures such as washing hands, wearing masks, keeping distance, self-isolation and quarantine, duty travel and space-occupancy restrictions remain in place at least until virus circulation is assessed as low.
Training

- In addition to the (ever-growing) number of online courses...
- Hands-on RP and Electrical training
- 15 day deadline before scheduled course is cancelled. (has led to issues last year)

- New EP-wide electrical course for all users/staff who need to work in an experimental area.
- Both will take place on Tuesday:
  - EP course 0830 till 1230
  - RP course 1400 till 1630
- Availability of Electrical course not very stable. Taking all online courses will grant electrical training ranks (for the moment at least). Long term users based at CERN should take it when possible.

Ad hoc sessions are available, but (especially in running period!!) are difficult to manage.

In LMS:
ISOLDE - Experimental Hall - Radiation Protection - Handling (Covid-19)

Electrical Safety - Working in EP experiments

- A lot of new local representatives e.g. VITO, WISARD, Miniball etc. Some required training e.g. crane/cryo courses are difficult due to covid restrictions.
- Mini-separator course for locals to be organised in March. Videos for external users to be released before running period.