

Motivation

- GSI shall report the status on what has been really achieved at existing facilities w.r.t. beam parameters
- essential content of measured-parameters list: what parameter, where, when
 → parameter, nomenclature of device, date & time
- prefered: data that was stored in and is retrievable from log files (transmissions, emittances, profiles, ...), i.e., location- and time-stamped data files available from CS





Data collection

- AccOp head asked LG to inquire these data from the MKs
- Template table has been agreed and sent out
- Query is initially restricted to data related to uranium FAIR reference, i.e., :

• source: 238U⁴⁺

• post-stripper: 28+

• SIS18: 28+

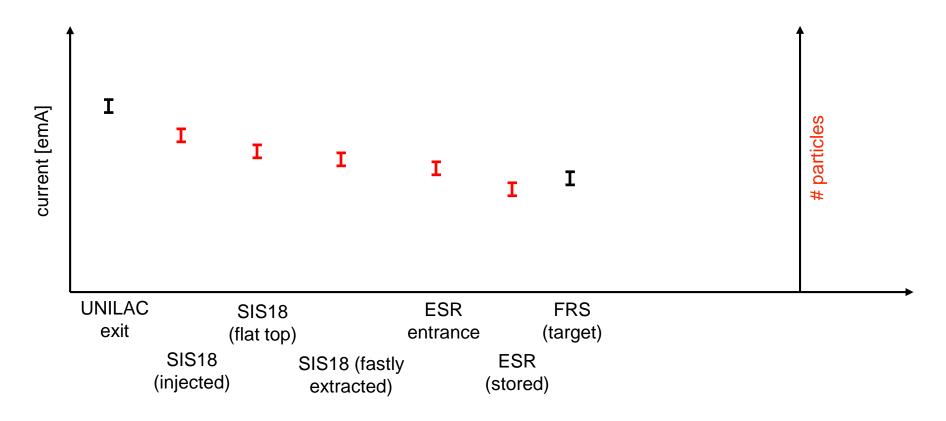
• ESR: whatever





Goal

GSI shall provide figures on measured intensities ...

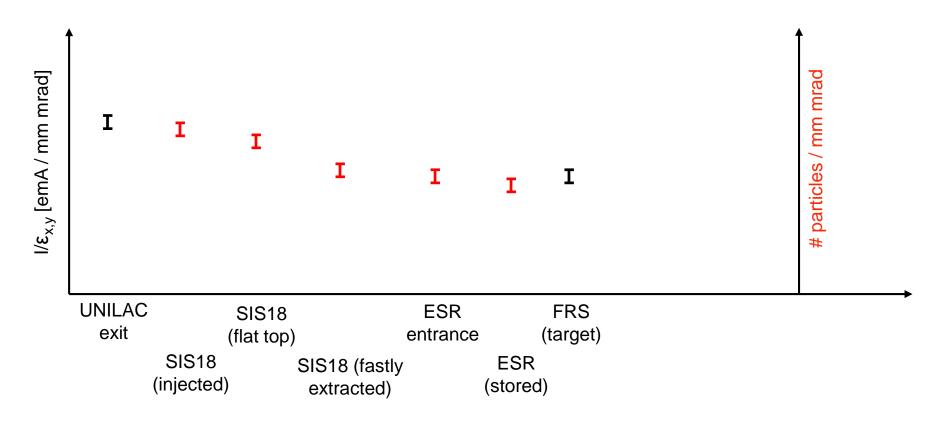








... and achieved brilliances (intensity per emittance)







... from feed back received so far ...

1 UNILAC exit

I = 4.3 emA $\varepsilon_{x/y} = 0.15/0.16 \, \mu m$ $B_{x/y} = 29/27 \text{ emA/}\mu\text{m}$ July 21st, 2016, 02:00

4 SIS (fastly extr.)

 $N = 2 \cdot 10^{11} (xYz+)$

 $\varepsilon_{x/v} = \dots \mu m$ $B_{x/y} = \dots emA/\mu m$

XX yyst, zzzz, ab:cd

2 SIS (injected)

N = ...

 $\varepsilon_{x/v} = ... \mu m$

 $B_{x/v} = \dots emA/\mu m$

XX yyst, 20xx, ab:cd

5 ESR (entrance)

N =

 $\epsilon_{x/v} = ... \ \mu m$

 $B_{x/y} = ... \text{ emA/}\mu\text{m}$ XX yyst, zzzz, ab:cd

3 SIS (flat top)

 $N = 3.5 \cdot 10^{10}$

 $\epsilon_{x/v} = ... \ \mu m$

 $B_{x/v} = \dots emA/\mu m$

XX yyst, 2012, ab:cd

6 ESR (stored)

 $N = 1.10^8 (U^{92+})$

 $\varepsilon_{x/v} = \dots \mu m$

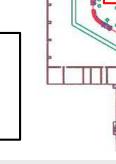
 $B_{x/v} = \dots emA/\mu m$

XX yyst, 20xx, ab:cd

7 FRS (target)

 $\varepsilon_{x/v} = ... \mu m$

 $B_{x/v} = \dots emA/\mu m$ XX yyst, zzz, ab:cd





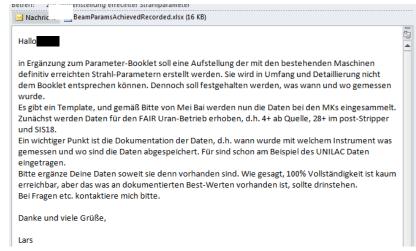




requests & feed back ...

- requests & template (and reminders) were sent on May 5th, May 22nd, July 2nd
- response was given from PSU and ESR









further procedure

as "editor concluded response unlikely" the further procedure was agreed as:

- missing data will be filled by data found on web pages during next days
- table filled this way will be presented to TGF soon