



### Ereignis anzeigen

[zur Schicht \(/olog/shiftoverview/changeShift?selectDate=2024-02-15+11%3A16%3A00&selectEvent=599439\)](#)

[✕ \(/https://olog.acc.gsi.de/olog/shiftoverview/shiftoverview\)](#)

<b>Info</b>	Beam energy Beginn: Do., 11:16 2024-02-15 Ende: - Do., 11:20 2024-02-15	Anzahl : 1
ID 599439	Beschleunigerabschnitt: Experiment: YRT1 (C00086 /160 ) 11:16 -11:20   Bearbeitet von: Michael Lestinsky Historischer Verlauf: <ul style="list-style-type: none"> <li>2024-02-15 11:23 Lestinsky,Michael create</li> <li>2024-02-15 12:20 Lestinsky,Michael update</li> </ul>	

ion beam energy measurements  
 Schotty at 16th harmonic 4.796301 MHz = 299.768 kHz = 1.370 MeV/u (if nominal orbit!)  
 Electron cooler G35 = 763.625 V = 746.793 eV space charge corrected (Ie=8.74mA, expansion=50) = 1.367 MeV/u  
 Parammodi set value = 1.35 MeV/u

Paramodi  
Datenexport

[TXT \(/olog/document/getFile/599448\)](#)

240215\_112856\_20240215\_112807\_cryring\_2024\_o\_local\_v2\_c1.txt (/olog/document/getFile/599448)

**Electron**

Ion	Electron	Lifetime	Netto-Block	Doppler shift
Ring	CRYRINGESR			verbose
Platform Up	763.625	V		
e <sup>-</sup> current I e.s.	0	mA		
alpha	50			

**Electron beam**

e<sup>-</sup> Lab energy 746.793 eV *pin*

$\rho_e$  5.28e+6 J/cm<sup>3</sup>

Diameter 2.83 cm

$\beta$  5.40 %c

$\gamma$  1.00146

$\Phi_{L1}(0)$  16.83 V

$\Phi_{L1}(r)$  12.06 V

**Temperatures**

kgT<sub>1</sub> 2.1258 meV

kgT<sub>3</sub> 62.748  $\mu$ eV

**Ion beam**

Ion energy 1.361 MeV/u

$f_{ion}$  299.832 kHz

Screenshot

24-02-15\_112534\_carbure.png (/olog/document/getFile/599446)

Screenshot

240215\_112344\_20240215\_112305416.png (/olog/document/getFile/599444)