Nsrl Ion History

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1 Nsrl1 Fall 2003

1. **Iron** (Fe^{20+}) 0.6669 Tm. 800 MeV. Oct 27–28
2. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Oct 28–Nov 12
3. **Titanium** (Ti^{18+}) 0.6669 Tm. 1000 MeV. Nov 13–18
4. **Carbon** (C^{5+}) 0.8538 Tm. 290 MeV. Nov 19–24 (ppm w gold).

2 Nsrl2 Spring 2004

1. **Silicon** (Si^{9+}) 0.8538 Tm. 600 MeV. March 15–19 (ppm w gold).
2. **Carbon** (C^{5+}) 0.8538 Tm. 300 MeV. March 22–23 (ppm w gold).
3. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 26–April 9 (ppm w pp).
4. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. April 12–19 (ppm w pp).
5. **Titanium** (Ti^{18+}) 0.6669 Tm. 1050 MeV. April 20–22 (ppm w pp).

3 Nsrl3 Summer 2004

1. **Protons** 0.6073 Tm. 1000 MeV. June 7–10
2. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. June 11–23
3. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. June 24–26
4. **Protons & Iron**. 1000 MeV. June 27–30 (mode switching).

4 Nsrl4 Fall 2004

1. **Titanium** (Ti^{18+}) 0.6669 Tm. 1000 MeV. Aug 30–31
2. **Silicon** (Si^{13+}) 0.6669 Tm. 600 MeV. Sept 1–2
3. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Sept 3–16
4. **Protons** 0.6073 Tm. 1000 MeV. Sept 14 and 16
5. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. Sept 17–23
6. **Protons** 0.6073 Tm. 1000 MeV. Sept 24–25
7. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Sept 26
8. **Oxygen** (O^{8+}) 0.6669 Tm. 1000 MeV. Sept 27–29
9. **Oxygen** (O^{8+}) 0.6669 Tm. 600 MeV. Sept 29–30
10. **Protons** 0.6073 Tm. 1000 MeV. Sept 30–Oct 1

5 Nsrl5 Spring 2005

1. **Protons** 2.1496357 Tm. 1000 MeV. March 28
2. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 28–29
3. **Oxygen** (O^{7+}) 0.6669 Tm. 1000 MeV. March 29–31
4. **Oxygen** (O^{7+}) 0.6669 Tm. 600 MeV. April 1–2
5. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. April 4–8
6. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. April 11–22
7. **Protons & Iron**. 1000 MeV. April 16–17 (mode switching)
8. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. April 25
9. **Protons** 2.1496357 Tm. 1000 MeV. April 26–28
10. **Carbon** (C^{5+}) 0.6669 Tm. 300 MeV. April 29
11. **Carbon** (C^{5+}) 0.6669 Tm. 300 MeV. May 2–3
12. **Silicon** (Si^{13+}) 0.6669 Tm. 600 MeV. May 4–5

6 Nsrl6 Summer 2005

1. **Protons** 2.156918716 Tm. 1000 MeV. June 7–8
2. **Titanium** (Ti^{18+}) 0.6669 Tm. 1000 MeV. June 9–10
3. **Titanium** (Ti^{18+}) 0.6669 Tm. 1000 MeV. June 13–15
4. **Iron** (Fe^{20+}) 0.6669 Tm. 300 MeV. June 15–16
5. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. June 17
6. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. June 20–24
7. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. June 27–29
8. **Iron** (Fe^{20+}) 0.6669 Tm. 300 MeV. June 30–July 1
9. **Iron to AGS** (Fe^{20+}) 0.6669 Tm. 278.3 MeV. June 27–July 1
10. **Carbon to AGS** (C^{5+}) 0.6669 Tm. 363.8 MeV. July 2–4
11. **Silicon to AGS** (Si^{13+}) 0.6669 Tm. 437.6 MeV. July 5–8
12. **Silicon** (Si^{13+}) 0.6669 Tm. 300 MeV. July 5–6
13. **Silicon** (Si^{13+}) 0.6669 Tm. 1000 MeV. July 7–8

7 Nsrl7 Fall 2005

1. **Protons** 0.6073 Tm. 1000 MeV. Oct 3–8
2. **Protons** 0.6073 Tm. 1000 MeV. Oct 10
3. **Titanium** (Ti^{18+}) 0.6669 Tm. 1000 MeV. Oct 10–13
4. **Chlorine** (Cl^{14+}) 0.6669 Tm. 550 MeV. Oct 14–18
5. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. Oct 19–21
6. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Oct 24–28
7. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Oct 31–Nov 4
8. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. Nov 7–10

9. **Iron & Protons** 1000 MeV. Nov 11 (mode switching)
10. **Iron & Protons** 1000 MeV. Nov 14–15 (mode switching)
11. **Oxygen** (O^{7+}) 0.6669 Tm. 1000 MeV. Nov 16
12. **Silicon** (Si^{13+}) 0.6669 Tm. 1000 MeV. Nov 17
13. **Silicon** (Si^{13+}) 0.6669 Tm. 300 MeV. Nov 18

8 Nsrl06a Spring 2006

1. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 1
2. **Iron** (Fe^{20+}) 0.6669 Tm. 600 MeV. March 2
3. **Carbon** (C^{5+}) 0.6669 Tm. 290 MeV. March 2–3
4. **Carbon** (C^{5+}) 0.6669 Tm. 290 MeV. March 6–7
5. **Iron** (Fe^{20+}) 0.6669 Tm. 300 MeV. March 8
6. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 8
7. **Iron** (Fe^{20+}) 0.6669 Tm. 300 MeV. March 9
8. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 9–10
9. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 13–17
10. **Iron** (Fe^{20+}) 0.6669 Tm. 1000 MeV. March 20–27
11. **Iron & Protons** 1000 MeV. March 28–31 (mode switching)
12. **Protons** 2.156918716 Tm. 1000 MeV. March 31
13. **Protons** 2.156918716 Tm. 1000 MeV. April 3–4
14. **Silicon** (Si^{13+}) 0.6669 Tm. 300–1000 MeV. April 5–8