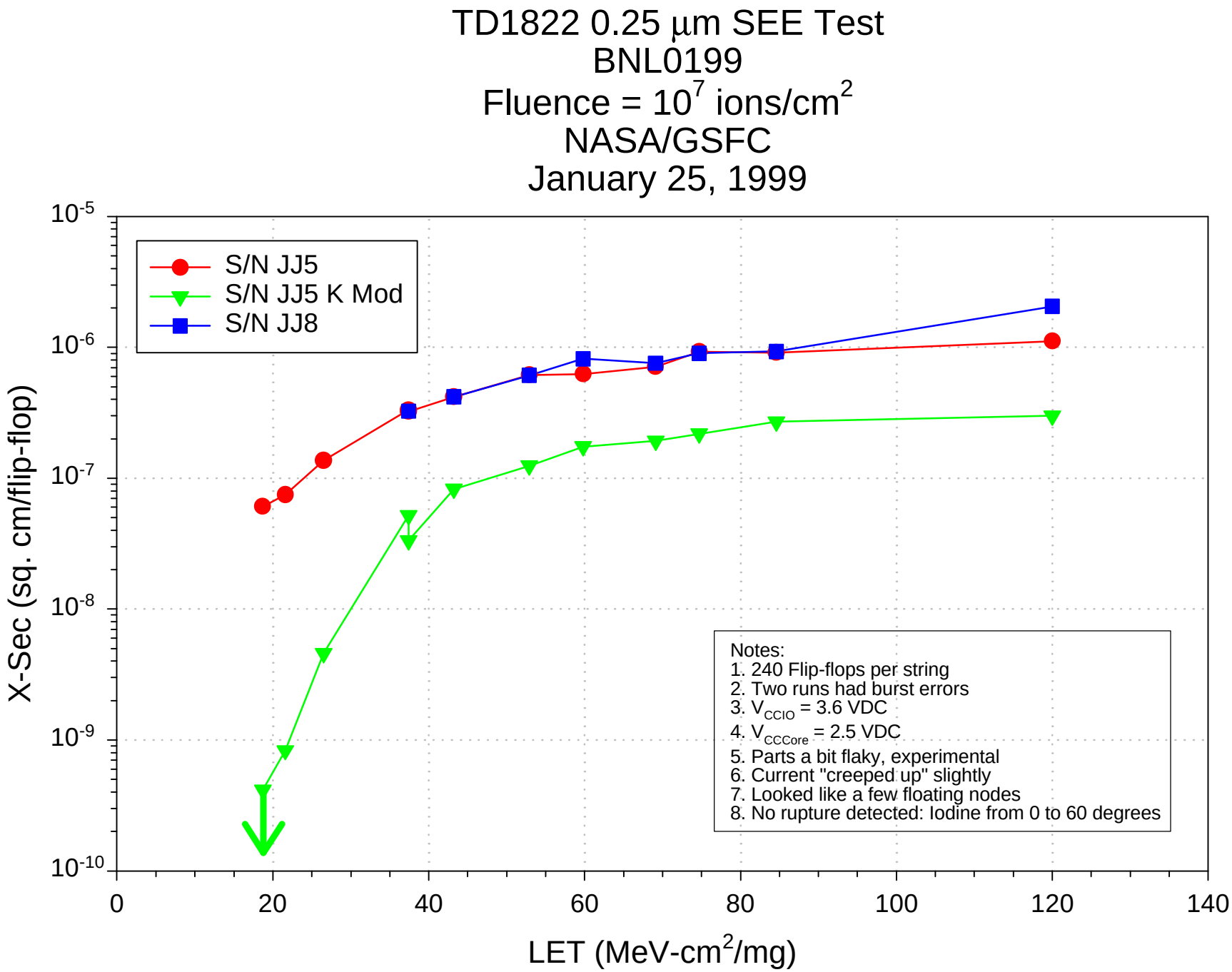
TD1822 0.25 µm SEE Test
BNL0199
Fluence = 10^7 ions/cm^2
NASA/GSFC
January 25, 1999
S/N JJ5
S/N JJ5 K Mod
S/N JJ8
Notes:
1. 240 Flip-flops per string
2. Two runs had burst errors
3. V_CCIO = 3.6 VDC
4. V_CCCore = 2.5 VDC
5. Parts a bit flaky, experimental
6. Current "creeped up" slightly
7. Looked like a few floating nodes
8. No rupture detected: Iodine from 0 to 60 degrees
X-Sec (sq. cm/flip-flop)
LET (MeV-cm^2/mg)
10^-5
10^-6
10^-7
10^-8
10^-9
10^-10
0
20
40
60
80
100
120
140