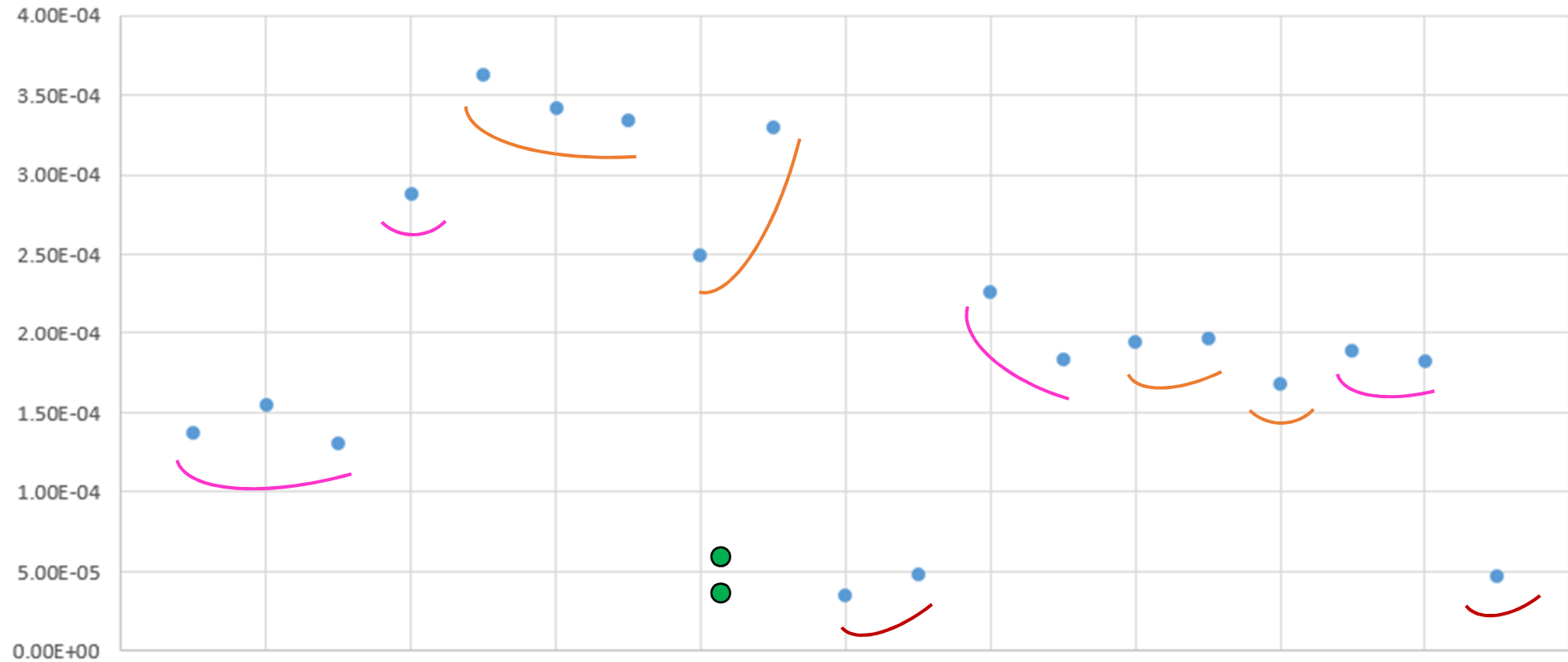


Réunion ThomX - 6 janvier 2025

Bilan vertical e- size October-December 2024

Vert. e- size (stat RMS)



2024-10-09
50 MeV
10Hz
Desynch

2024-11-26
50 MeV
10Hz
Desynch

2024-12-11
50 MeV
10Hz
Desynch
Synch Oscill

2024-12-11
50 MeV
10Hz
SYNCHRO
200 μ s SR
(= No IBS)

2024-12-12
70 MeV
One TRIG
Desynch

2024-12-12
70 MeV
10Hz
Desynch

2024-12-17
50 MeV
10Hz
Desynch
CHARGE 150
IRIS 1.3

2024-12-17
50 MeV
10Hz
Desynch
INJ Optimiz

2024-12-17
50 MeV
10Hz
Desynch

2024-12-17
50 MeV
One TRIG
Desynch

LINAC: $\epsilon_N \sim 3 - 4$ mm.mrad (H & V)

For dive e- ~ 0.7 mrad

size e- $\sim 30 - 40$ μ m (70 MeV)

45 - 60 μ m (50 MeV)

Some open questions:

- MRSV as diags ? (instead of FPC table vertical scans ...)
- e- size is ~ 3 times larger than expected from LINAC measurements $\rightarrow$ pistes?
- Storage of higher charge (~ 150 pC) does not increase flux $\rightarrow$ pistes?
- Try an other lattice?
Continue change orbit?
- Others

Vert. e- size (stat RMS)



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10Hz
Desynch

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