2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+) $1.18 \pm +03$ 7.48E+03_____0.00<u>t+00___</u> 1.61E+061.61E+06 $0.00\pm +00$ -1.61E+06 1.61E+06 vΥ VZfvz(el) fvxy(el) 5.71E+042.83E+040.00<u>t</u>+00 4.29E+09-4.29E+09 -4.29E+094.29E+09 vr VZfxy (CAu) fvz (CAu) 3.88**E**+041.17E+04 $0.00\pm +00$ -1.13E+061.13E+06 vr VZ

t = 4.95E - 17

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)1.91E+03 $3.67 \times \pm +03$ _____0.00<u>t+00___</u> 5.60E+065.60E+06 $0.00\pm +00$ -5.60E+065.60E+06 vΥ VZfvxy(el) fvz(el) 5.37E+042.03E+04 $0.00\pm +00$ $0.00\pm +00$ 1.35E+10-1.35E+10 -1.35E+101.35E+10vr VZfxy (CAu) fvz (CAu) 2.81E+04 1.17E+04_____0.00<u>比+00 </u>___ 5.55E+065.55E+06 $0.00\pm +00$ -5.55E+06 5.55E+06

vr

9.95E-17 t.=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.72E+032.38 **E** + 030.00<u>E+00</u> -1.26E+07 _____0.00<u>E+00</u> 1.26E+071.26E+07 1.26E+07vΥ VZfvxy(el) fvz(el) 2.05E+044.36E+04 $0.00\pm +00$ 2.08E+10-2.08E+10 -2.08E+102.08E+10 vr VZfxy (CAu) fvz (CAu) 2.24E+041.45E+04 $0.00\pm +00$ -1.43E+071.43E+07

vr

1.50E-16 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.59**E**+032.54E+030.00<u>±+00</u> -2.36<u>E</u>+07 _____0.00<u>±+00</u> 2.36E+072.36E+07 2.36E+07 vr VZfvxy(el) fvz(el) 3.52E+041.76E + 04 $0.00\pm +0.0$ -2.50E+102.50E+10-2.50E+10 2.50E+10 vr VZfxy (CAu) fvz (CAu) 2.09E+042.30E+04____0.00<u>E+00</u> 2.60E+072.60E+07 0.00<u>比+00</u>

-2.60E+07

vr

2.00E-16 t=

VZ

2.60E+07

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.224+03 2.52E+030.00<u>±+00</u> -3.87<u>E</u>+07 _____0.00<u>±+00</u> 3.87E+07-3.87E+07 3.87E+07 vr VZfvxy(el) fvz(el) 2.77E+041.45E+04____0.00±+00---_ 2.70E+10-2.70E+10 2.70E+10 -2.70E+10vr VZfxy (CAu) fvz (CAu) 2.12E+041.89E+040.00<u>比+00 」</u> -3.97E+07

vr

2.49E-16 t=

VZ

3.97E+07

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.45E+03 $1.73 \pm +03$ _____0.00<u>±+00</u> 5.74E+07-5.74E+07 $0.00\pm \pm 0.0$ -5.74E+075.74E+07 vr VZfvxy(el) fvz(el) 2.37E+041.24E+04-2.80E+102.80E+10 vr VZfxy (CAu) fvz (CAu) 1.85E+041.87E+04 $0.00\pm +00$

-5.49E+07

vr

2.99E-16 t=

VZ

5.49E+07

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.39E+031.61年+03 _____0.00<u>±+00___</u> 7.91E+077.91E+07 $\frac{1}{7.91E+07}$ vr VZfvxy(el) fvz(el) 2.09E+041.07E+04 $0.00\pm +00$ -2.87E+102.87E+10 vr VZfxy (CAu) fvz (CAu) 1.69E+041.86E+04

vr

3.50E-16 t=

VZ

7.14E+07

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.36E+03 $1.46 \pm +03$ _____0.00<u>E+00</u> 1.04E+08-1.04E+08 $0.00 \pm +00$ -1.04E+081.04E+08 vr VZfvxy(el) fvz(el) 1.77E+04 $8.70 \pm +03$ $0.00\pm +00$ -2.90E+102.90E+10 vr VZfxy (CAu) fvz (CAu) 1.61 **E** +041.62E+04

> _____0.00<u>比+00 |</u> 8.89E+078.89E+07

 $0.00\pm +00$

-8.89E+07

vr

t = 3.99E - 16

VZ

8.89E+07

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.37E+031.36 **E** +030.00±+00 1.30E+08-1.30E+08 1.30E+08 vr VZfvz(el) fvxy(el) 1.54E+048.71 **E** +03 $0.00\pm +00$ -2.92E+102.92E+10 vr VZfxy (CAu) fvz (CAu) 1.39**E**+041.56E + 04

 $0.00\pm +00$

-1.07E+08

vr

t = 4.50E - 16

VZ

1.07E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.38**E**+031.20E+03_____0.00<u>E+00</u> 1.59E+08-1.59E+08 $0.00\pm +00$ -1.59E+081.59E+08vr VZfvz(el) fvxy(el) 1.36E + 041.19E + 04 $0.00\pm +00$ -2.93E+102.93E+10 vr VZfxy(CAu) fvz (CAu) 1.58**E**+041.02E+04

vr

t = 4.99E - 16

VZ

1.26E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.44E+031.03 **E** +03_____0.00<u>E+00</u> 1.89E+08-1.89E+08 1.89E+08 vr VZfvxy(el) fvz(el) 1.33E+041.52E+04 $0.00\pm +00$ -2.94E+102.94E+10 vr VZfvz (CAu) fxy (CAu) 6.58**E**+031.68**E**+04

 $0.00\pm +00$

-1.46E+08

vr

t = 5.50E - 16

VZ

1.46E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.46E+038.69E+02 ^Ն ՂՐ_{ՆՐՆՐ}Ու ____0.00<u>E+00</u> 2.20E+08-2.20E+08 2.20E+08 vr VZfvz(el) fvxy(el) 1.42E+042.01E+04 $0.00\pm +00$ -2.95E+102.95E+10 vr VZfxy (CAu) fvz (CAu) 1.74E+045.85E+03

 $0.00\pm +00$

-1.65E+08

vr

6.00E-16 t=

VZ

1.65E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)6.79**E**+022.54E+03_____0.00<u>±+00</u> 2.52E+08-2.52E+08 2.52E+08 vr VZfvz(el) fvxy(el) $2.68 \pm +04$ 1.57E+04 $0.00\pm +00$ -2.96E+102.96E+10 vr VZfvz (CAu) fxy (CAu) 1.74E+045.95E+03

0.00<u>比+00</u>

-1.85E+08

vr

t = 6.49E - 16

VZ

1.85E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.614+03 5.431+020.00<u>±+00</u> -2.84<u>E</u>+08 _____0.00<u>E+00</u> 2.84E+08-2.84E+08 2.84E+08 vr VZfvz(el) fvxy(el) 1.62E+043.69E + 04 $0.00 \pm +00$ -2.96E+102.96E+10 vr VZfvz (CAu) fxy (CAu) 5.90**E**+031.72E+04

 $0.00\pm +00$

-2.05E+08

vr

$$t = 6.99E - 16$$

VZ

2.05E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.67E+035.54**E**+020.00k+00 3.16E+08-3.16E+08 $0.00\pm +00$ -3.16E+083.16E + 08vr VZfvz(el) fvxy(el) 5.23E+041.64E+040.00±+00 2.96E+10-2.96E+10 $0.00\pm +00$ -2.96E+102.96E+10 vr VZfvz (CAu) fxy (CAu) 1.68**E**+045.96**E**+030.00<u>±+00</u> -2.24<u>E</u>+08

____0.00<u>E+00</u> 2.24E+08-2.24E+08

vr

7.50E-16 t=

VZ

2.24E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.75E+035.07 **E** +02_____0.00<u>±+00</u> 3.47E+08-3.47E+08 3.47E+08 vr VZfvz(el) fvxy(el) 1.62E+045.31E+040.00±+00 2.96E+10-2.96E+10 $0.00\pm +00$ -2.96E+102.96E+10 vr VZfvz (CAu) fxy (CAu) 6.04E+031.64E+04____0.00<u>E+00</u> 2.43E+08-2.43E+08 $0.00\pm +00$

-2.43E+08

vr

7.99E-16 t=

VZ

2.43E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.83E+03 5.15E+02 _____0.00<u>±+00</u> 3.78E+08-3.78E+08 0.00 ± 0.00 -3.78E+083.78E+08 vr VZfvz(el) fvxy(el) 5.44E+041.59E + 040.00<u>±+00</u> -2.97E+10 0.00E+00 2.97E+10-2.97E+10 2.97E+10vr VZfvz (CAu) fxy (CAu) 6.19**E**+031.59E+04____0.00<u>E+00</u> 2.61E+08-2.61E+08 $0.00\pm +00$ -2.61E+082.61E+08 vr VZ

t = 8.49E - 16

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.90E+035.15E+02 0.00E+00 4.06E+08-4.06E+08 $0.00\pm +00$ -4.06E+084.06E+08 vr VZfvz(el) fvxy(el) 5.80E+041.56E + 040.00E+00 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfvz (CAu) fxy (CAu) 6.21E+03 1.56E+042.78E+08

vr

8.99E-16 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.98E+03 $4.60 \pm +02$ 0.00L+00 4.33E+08-4.33E+08 4.33E+08 vr VZfvz(el) fvxy(el) 5.81E+041.53E + 040.00E+00 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfvz (CAu) fxy (CAu) 1.53E+046.07**E**+03

vr

t = 9.50E - 16

VZ

2.95E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.07E+034.7211+020.00L+00 4.59E+08-4.59E+08 $0.00\pm +00$ -4.59E+084.59E+08 vr VZfvz(el) fvxy(el) 1.50E+045.71E+040.00E+00 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 1.51E+046.11E+03 0.00<u>E+00 |</u> 3.10E+08-3.10E+08 $0.00\pm +00$

-3.10E+08

vr

$$t = 1.00E - 15$$

VZ

3.10E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.14E+035.18 **E** +020.00k+00 4.82E+08-4.82E+08 0.00<u>E+00</u> -4.82E+08 4.82E+08 vr VZfvz(el) fvxy(el) 5.57E+04 1.47E+040.00<u>E+00</u> 2.97E+10-2.97E+10 $0.00 \pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 6.23E+031.48E+040.00<u>E+00</u> 3.24E+08-3.24E+08

vr

1.05E-15 t=

VZ

3.24E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.22E+035.35E+020.00±+00 5.03E+08-5.03E+08 $0.00\pm +00$ -5.03E+085.03E+08 vr VZfvz(el) fvxy(el) 5.42E+041.45E + 040.00<u>E+00</u> 2.97E+10-2.97E+10 $0.00 \pm +00$ -2.97E+102.97E+10vr VZfvz (CAu) fxy (CAu) 1.46E+046.07**E**+03

vr

1.10E-15 t=

VZ

3.36E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+) $3.33 \pm +03$ 5.471 + 02 $0.00 \pm + 00$ -5.37E+085.37E+08 vr VZfvxy(el) fvz(el) 5.15E+041.40E+040.00<u>±+00</u> 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 1.43E+046.17E+03 0.00<u>比+00 」</u> -3.57E+08 3.57E+08

vr

1.20E-15 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.46E + 035.711+02 $0.00\pm +00$ -5.61E+08 5.61E+08 vr VZfvxy(el) fvz(el) 1.37E+044.92E+04_____0.00<u>E+00</u>_____ 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 1.39E+046.17E+03 $0.00 \pm +00$ -3.71E+08 3.71E+08

vr

1.30E-15 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.55 **E** + 035.50**E**+02_____0.00±+00___ 5.72E+08-5.72E+08 5.72E+08 vr VZfvxy(el) fvz(el) 4.71年+04 1.34E+040.00±+00 2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 7.23E+031.33E+040.00<u>±+00</u> -3.78E+08 3.78E+08 vr VZ

t = 1.40E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.58E+03 5.591+02 $0.00 \pm + 00$ -5.70E+085.70E+08 vr VZfvz(el) fvxy(el) 1.32E+044.53E+040.00<u>E+00</u> 2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfvz (CAu) fxy (CAu) 1.24E+047.04E+033.80E+08 vr VZ

t = 1.50E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.54E+035.17 **E** +02 $0.00\pm +00$ -5.60E+085.60E+08 vr VZfvz(el) fvxy(el) 1.30E+044.61 E + 0.4_____0.00<u>+00</u>______ 2.97E+10-2.97E+10 $0.00\pm +00$ -2.97E+102.97E+10vr VZfxy (CAu) fvz (CAu) 6.86**E**+031.14E+043.81E+08

vr

1.60E-15 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+) $3.43 \pm +03$ 5.25E+02 0.00±+00 5.40E+08-5.40E+08 $0.00\pm +00$ -5.40E+08 5.40E+08 vr VZfvxy(el) fvz(el) 1.28年+04 5.18 **E** +040.00±+00 2.98E+10 $0.00\pm +00$ -2.98E+102.98E+10 vr VZfxy (CAu) fvz (CAu) 5.814+03 1.01E+04 $0.00 \pm +00$ 3.76E+08 -3.76E+08vr VZ

t = 1.70E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.27E+034.391 + 02_____0.00<u>t+00___</u> 5.09E+08-5.09E+08 $0.00\pm +00$ -5.09E+085.09E+08 vr VZfvz(el) fvxy(el) 5.39E+041.27E+040.00<u>E+00</u> 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 5.39 **F** + 039.23E+03

 $0.00\pm +00$

-3.67E+08

vr

t = 1.80E - 15

VZ

3.67E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.06 **E** + 034.52E+02 0.00<u>±+00</u> -4.71E+08 0.00±+00 4.71E+08-4.71E+08 4.71E+08 vr VZfvxy(el) fvz(el) 1.26E+045.46 E + 0.40.00<u>±+00</u> 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 8.50**E**+034.61E+03 $0.00\pm +00$ -3.53E+083.53E+08

vr

1.90E-15 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.81E+03 4.24E+02 $0.00\pm +00$ -4.29E+084.29E+08 vr VZfvxy(el) fvz(el) 5.47年+04 1.25E+040.00<u>±+00</u> 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 4.50E+037.43E+03_____0.00<u>比+00___</u>___ 3.37E+08-3.37E+08 $0.00\pm +00$

-3.37E+08

vr

$$t = 2.00E - 15$$

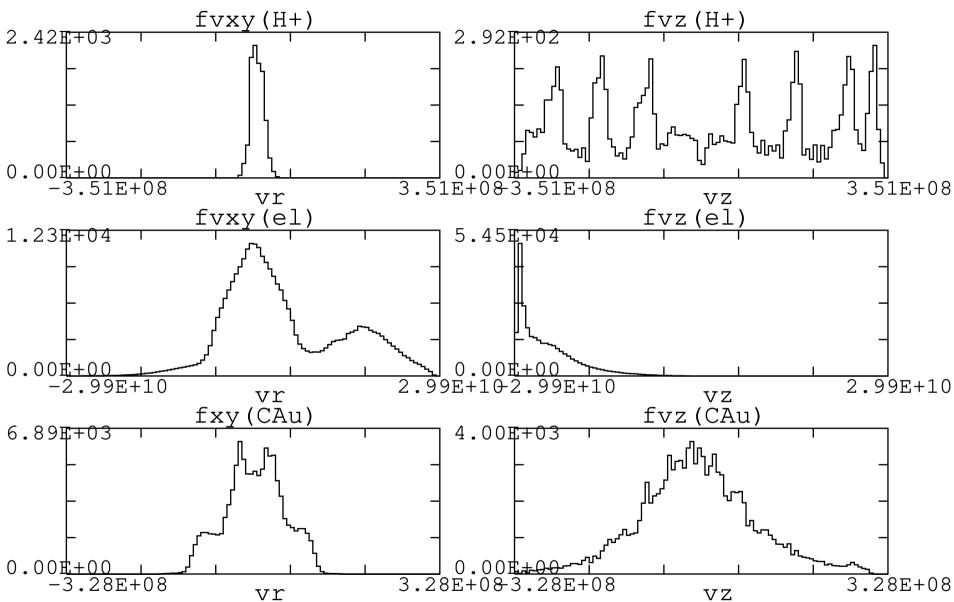
VZ

3.37E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)2.60E+03 $3.70 \pm +02$ _____0.00<u>E+00</u>2 3.85E+08-3.85E+08 3.85E+08 vr VZfvxy(el) fvz(el) 5.474+04 1.24E+04_____0.00<u>E+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 6.93E+034.04E+030.00E+00-7---3.17E+08-3.17E+08 $0.00\pm +00$ -3.17E+083.17E+08 vr VZ

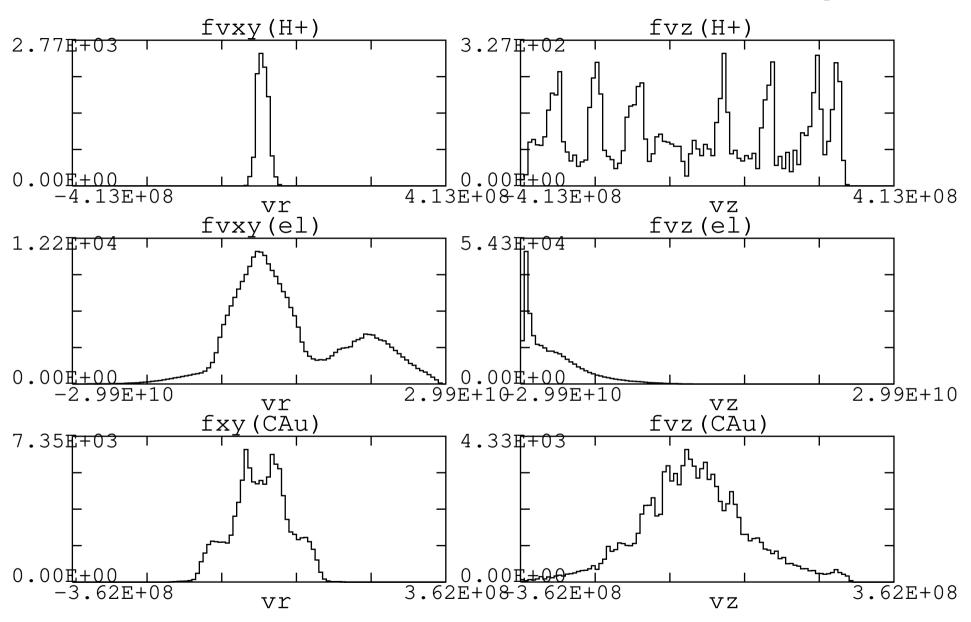
t = 2.10E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse



t = 2.20E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse



t = 2.30E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.08E+033.61**E**+02 $0.00\pm +00$ -4.66E+084.66E+08 vr VZfvxy(el) fvz(el) 1.21E+04 $5.42 \pm +04$ _____0.00<u>E+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.63E+034.61E+03 _____0.00L+00--- 3.91E+08-3.91E+08 $0.00\pm +00$ -3.91E+083.91E+08

vr

2.40E-15 t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.41E+033.981 + 02 $0.00 \pm + 00$ -5.07E+085.07E+08 vr VZfvxy(el) fvz(el) 1.20E+045.40年+04 ______0.00<u>+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.85**E**+035.29**E**+03

> 0.00E+00 4.14E+08-4.14E+08

 $0.00\pm +00$

-4.14E+08

vr

t = 2.50E - 15

VZ

4.14E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)3.66E+03 3.971 + 025.34E+08 vr VZfvxy(el) fvz(el) 5.38 **E** + 0.41.20E+04______0.00<u>+00</u>______ 2.99E+10-2.99E+10 $0.00 \pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.93E+035.76**E**+03

> 0.00E+00-4 4.28E+08-4.28E+08

 $0.00\pm +00$

-4.28E+08

vr

t = 2.60E - 15

VZ

4.28E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+) $3.78 \pm +03$ 3.9211+02 $0.00\pm +00$ -5.46E+085.46E+08 vr VZfvxy(el) fvz(el) 5.36联+04 1.19E+04_____0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 5.30E+03 7.95**E**+030.00E+00----4.36E+08-4.36E+08 $0.00\pm +00$ -4.36E+08 4.36E+08

vr

2.70E-15 t=

VZ

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+) $3.78 \pm +03$ 3.961+02_____0.00<u>t+00" | |</u> 5.43E+08-5.43E+08 5.43E+08 vr VZfvxy(el) fvz(el) 1.19E+045.34 E + 0.4_____0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.71E+034.94E+030.00E+00-~ 4.35E+08-4.35E+08 $0.00\pm +00$ -4.35E+08 4.35E+08

vr

2.80E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.73 **E** +03 $3.93 \pm +02$ 5.27E+08 vr VZfvxy(el) fvz(el) 5.33 **E** + 041.18E+040.00<u>±+00</u> 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.36E+034.57E+03

vr

t = 2.90E - 15

VZ

4.28E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.59**E**+033.961+025.01E+08 vr VZfvxy(el) fvz(el) 1.18E+045.34 E + 0.4______0.00<u>+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 6.981 ± 03 4.00E+030.006+00-----4.16E+08-4.16E+08 $0.00\pm +00$ -4.16E+084.16E+08

vr

3.00E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.37E+03 $3.48 \pm +02$ _____0.00世+00 覧 4.64E+08-4.64E+08 $0.00\pm +00$ -4.64E+084.64E+08 vr VZfvxy(el) fvz(el) 5.35 **E** + 0.41.18E+04______0.00<u>E+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 6.74E+03 3.471 ± 03

 $0.00\pm +00$

-4.02E+08

vr

t = 3.10E - 15

VZ

4.02E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)3.65E+03 4.15E+02 _____0.00L+0.0____ 5.11E+08-5.11E+08 5.11E+08 vr VZfvxy(el) fvz(el) 5.35 **E** + 0.41.17E+040.00<u>±+00</u> 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 6.59**E**+033.33E+03

> _____0.00L+00-____ 3.93E+08-3.93E+08

 $0.00\pm +00$

-3.93E+08

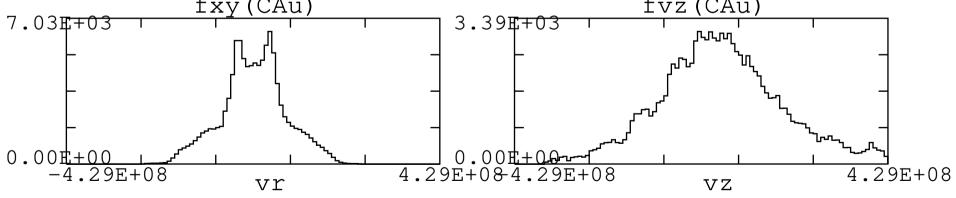
vr

$$t = 3.20E - 15$$

VZ

3.93E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.07E+034.75E+02 _____0.00<u>k+00__</u> 5.85E+08-5.85E+08 5.85E+08 vr VZfvxy(el) fvz(el) 1.17E+045.34E+04______0.00<u>E+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.03E+033.39**E**+03



t = 3.30E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.53 **E** +024.54E+03 $0.00\pm +00$ -6.59E+086.59E+08 vr VZfvxy(el) fvz(el) 1.16E+045.33 **E** +04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.75**E**+037.47E+03

 $0.00\pm +00$

-4.69E+08

vr

t = 3.40E - 15

VZ

4.69E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.92E+035.50**E**+02_____0.00<u>±+00___</u> 7.28E+08-7.28E+08 $0.00\pm +00$ -7.28E+087.28E+08 vr VZfvxy(el) fvz(el) 1.16E+045.31E+04 ______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 8.10E+03 $3.88 \pm +03$

> _____ 0.00<u>比+00 ____</u> 5.07E+08-5.07E+08

 $0.00\pm +00$

-5.07E+08

vr

t = 3.50E - 15

VZ

5.07E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.29**E**+037.13E+02_____0.00<u>±+00___</u> 7.90E+08-7.90E+08 $0.00\pm +00$ -7.90E+087.90E+08 vr VZfvxy(el) fvz(el) 1.16E+045.30 **E** + 0.4______0.00<u>E+00</u>_____ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 8.58E+03 4.17E+03 $0.00\pm +00$ -5.40E+08 5.40E+08

vr

3.60E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.63E+03 8.81E+02 0.00±+00 8.44E+08-8.44E+08 $0.00\pm +00$ -8.44E+088.44E+08 vr VZfvxy(el) fvz(el) 5.29E+041.15E + 04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 8.82E+03 4.15E+03 $0.00\pm +00$ -5.67E+085.67E+08

vr

$$t = 3.70E - 15$$

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.78E+039.691 + 020.00±+00 8.86E+08-8.86E+08 $0.00\pm +00$ -8.86E+08 8.86E+08 vr VZfvxy(el) fvz(el) 1.15E+045.28 **E** +04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 4.33E+038.95E+03 $0.00\pm +00$

-5.87E+08

vr

3.80E-15 t=

VZ

5.87E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.84E+03 $8.73 \pm +02$ 0.00±+00 9.12E+08-9.12E+08 9.12E+08 vr VZfvxy(el) fvz(el) 1.15E + 045.26 **E** +04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.91E+03 4.44E+03 $0.00\pm +00$ -5.98E+085.98E+08

vr

$$t = 3.90E - 15$$

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.86年+03 9.75 **E** +020.00±+00 9.22E+08-9.22E+08 0.00<u>E+00</u> -9.22E+08 9.22E+08 vr VZfvxy(el) fvz(el) 1.15E + 045.26 **E** +04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.86E+03 4.47E+03 0.00<u>t+00</u> 6.00E+08-6.00E+08 $0.00\pm +00$ 6.00E+08 -6.00E+08vr VZ

t = 4.00E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.82E+031.21E+03 0.00±+00 9.18E+08-9.18E+08 9.18E+08 vr VZfvxy(el) fvz(el) 5.25年104 1.15E + 04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 8.73**E**+034.64E+03 $0.00\pm +00$ -5.97E+08 5.97E+08 vr VZ

t = 4.10E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)5.70 **E** +03 $1.13 \pm +03$ 0.00±+00 9.01E+08-9.01E+08 9.01E+08 vr VZfvxy(el) fvz(el) 1.14E+045.24E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.62E+03 4.46E+03_____0.00<u>E+00</u> 5.94E+08-5.94E+08 $0.00\pm +00$ -5.94E+08 5.94E+08 vr VZ

t = 4.20E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.56 **E** + 039.25E+02_____0.00<u>±+00</u> 8.72E+08-8.72E+08 8.72E+08 vr VZfvxy(el) fvz(el) 1.14E+045.23 E + 04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.53E+03 4.45E+03 $0.00\pm +00$ -5.84E+08 5.84E+08 vr VZ

t = 4.30E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.40E+039.691 + 020.00±+00 8.31E+08-8.31E+08 8.31E+08 vr VZfvxy(el) fvz(el) 1.14E+04 5.22 ± 0.4 ______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 4.00E+038.37**E**+03----- 0.00<u>t+00 اسم</u>ر 5.66E+08-5.66E+08 $0.00\pm +00$ 5.66E+08 -5.66E+08vr VZ

t = 4.40E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.22E+039.971 + 02_____0.00<u>k+00___</u>__ 7.84E+08-7.84E+08 $0.00\pm +00$ -7.84E+087.84E+08 vr V 7. fvxy(el) fvz(el) 1.14E+045.21E+04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.724+03 8.16E+03 _____0.00<u>E+00_____</u> 5.43E+08-5.43E+08 $0.00\pm +00$ 5.43E+08 -5.43E+08

vr

4.50E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.01E+03 7.06**E**+02_____0.00<u>k+00__</u>____0.00<u>k+00</u>_______ $\overline{7.2}6E+08$ vr VZfvxy(el) fvz(el) 5.20E+04 1.14E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfvz(CAu) fxy (CAu) 7.80E+033.31E+03, Ռվէ _____0.00<u>E+00-~~</u> 5.16E+08-5.16E+08 $0.00\pm +00$ 5.16E+08 -5.16E+08vr VZ

t = 4.60E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.78E+037.85 **E** + 02 $0.00\pm +00$ -6.65E+086.65E+08 vr VZfvxy(el) fvz(el) 5.20 **E** + 041.14E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 7.38**E**+033.36**E**+03יעען

> 0.00E+90- 4.87E+08-4.87E+08

 $0.00\pm +00$

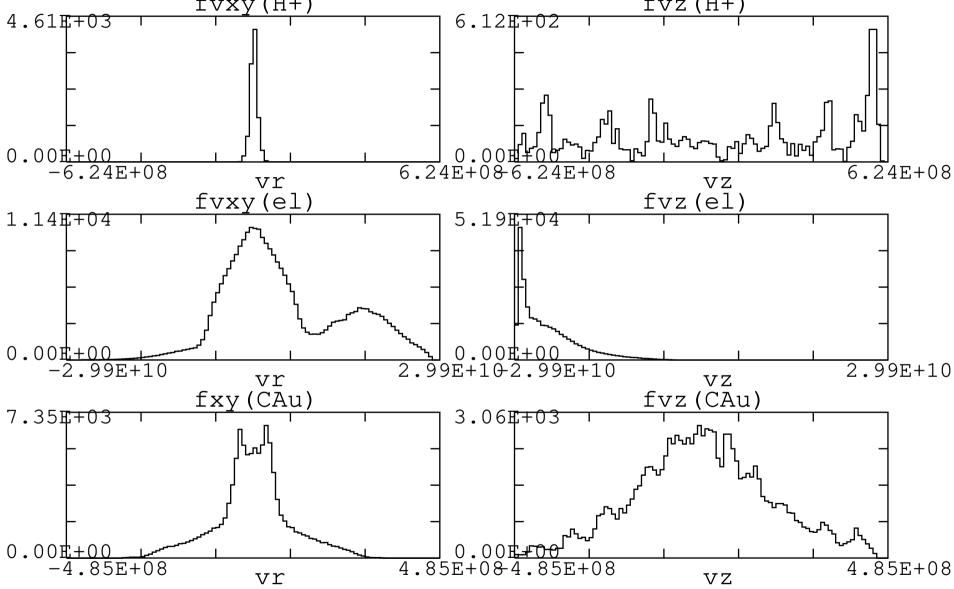
-4.87E+08

vr

t = 4.70E - 15

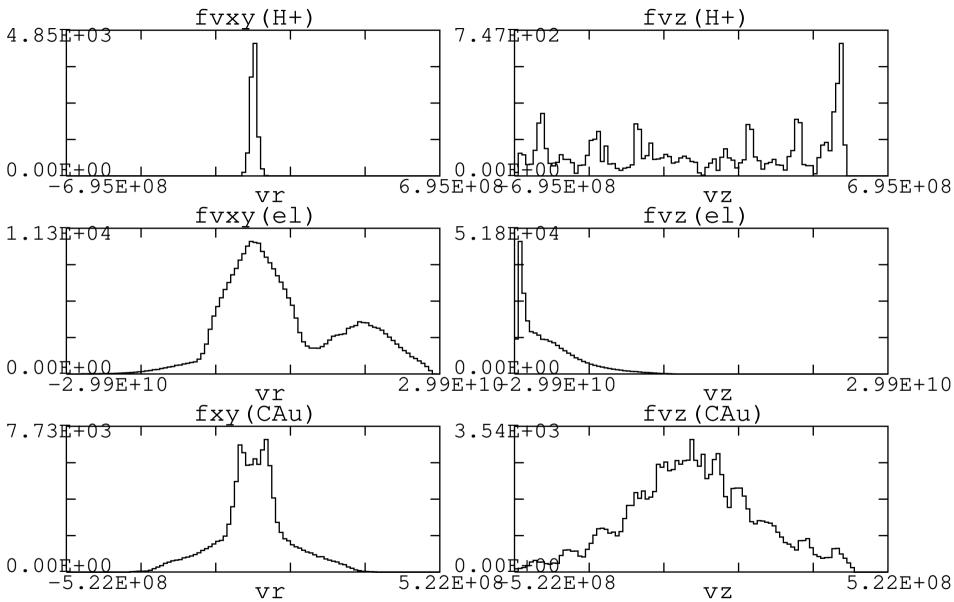
VZ

4.87E+08



t = 4.80E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse



t = 4.90E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.01E+03 $6.48 \pm +02$ $0.00\pm +00$ _____ 0.00世<u>+05元 "元</u> 7.58E+08-7.58E+08 -7.58E+08 7.58E+08 vr VZfvxy(el) fvz(el) 5.18E+04 1.13E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 7.94E+033.64E+03الي)' _____0.00L+00____ 5.53E+08-5.53E+08 $0.00\pm +00$ -5.53E+08 5.53E+08 vr VZ

t = 5.00E - 15

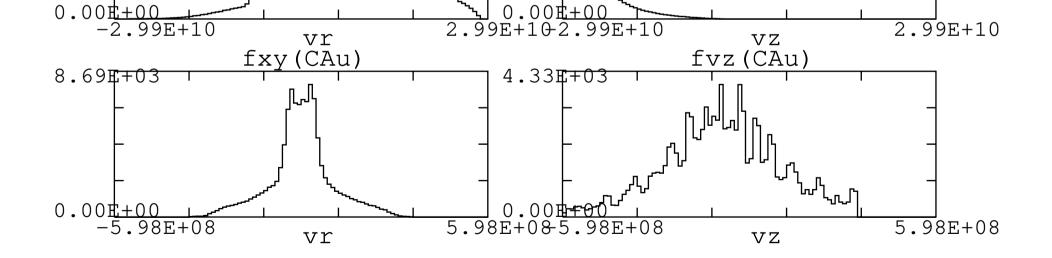
cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+) $5.10 \pm +03$ 8.92E+02 _____0.00世 8.11E+08-8 8.11E+08 vr VZfvxy(el) fvz(el) 1.13E+045.17 E + 04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.24E+033.65E+03 الى)' _____ 0.00**£-roʻo**___ 5.76E+08-5.76E+08 $0.00\pm +00$ -5.76E+085.76E+08 vr VZ

t = 5.10E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)5.09 **E** + 038.14E+02 $0.00\pm +00$ -8.48E+088.48E+08 vr VZfvxy(el) fvz(el) 1.13E+045.16年+04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 3.94E+03 8.52E+03 ╟╢ _____0.00±*000 ____ 5.91E+08-5.91E+08 $0.00\pm +00$ -5.91E+08 5.91E+08 vr VZ

t = 5.20E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.97E+038.44E+02 $0.00\pm +00$ -8.66E+088.66E+08 vr VZfvxy(el) fvz(el) 1.13E+045.16年+04



5.30E-15

t=

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.84E+03 $1.00 \pm +03$ $0.00\pm +00$ <u>----</u> 0.00#1602 8.66E+08 -8.66E+088.66E+08 vr VZfvxy(el) fvz(el) 5.15年+04 1.13E+04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.68E+03 4.32E+03

 $0.00\pm +00$

-5.97E+08

vr

t = 5.40E - 15

VZ

5.97E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)4.68E+03 1.03 $\pm +03$ $0.00\pm +00$ _____ 0.00批斗67元~ "レ~~ 8.50E+0&8.50E+08 -8.50E+088.50E+08 vr VZfvxy(el) fvz(el) 5.15 **E** +041.13E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.56E+03 4.20E+03

> _____0.00±+005/ 5.88E+08-5.88E+08

 $0.00\pm +00$

-5.88E+08

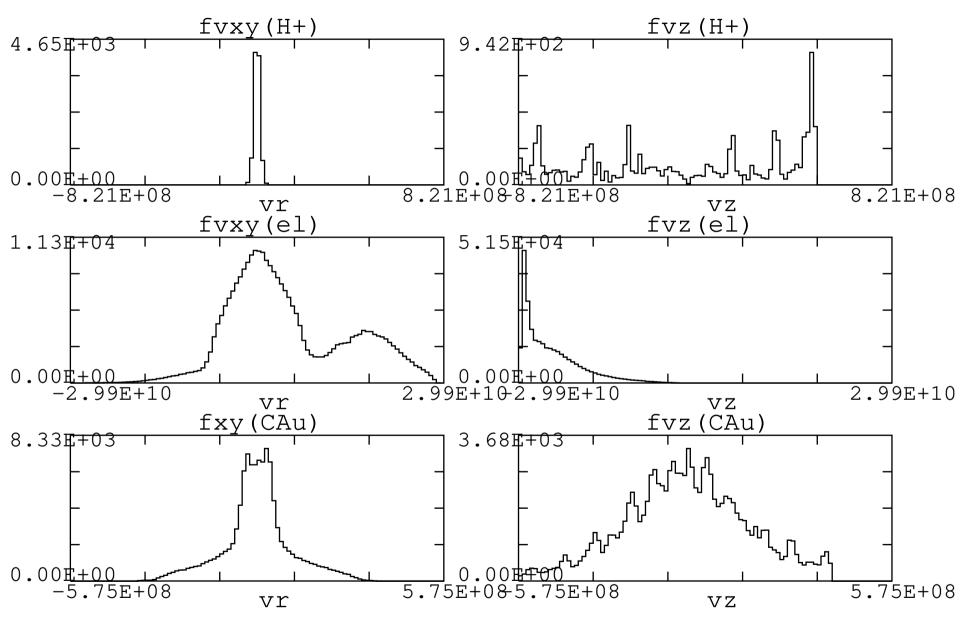
vr

t = 5.50E - 15

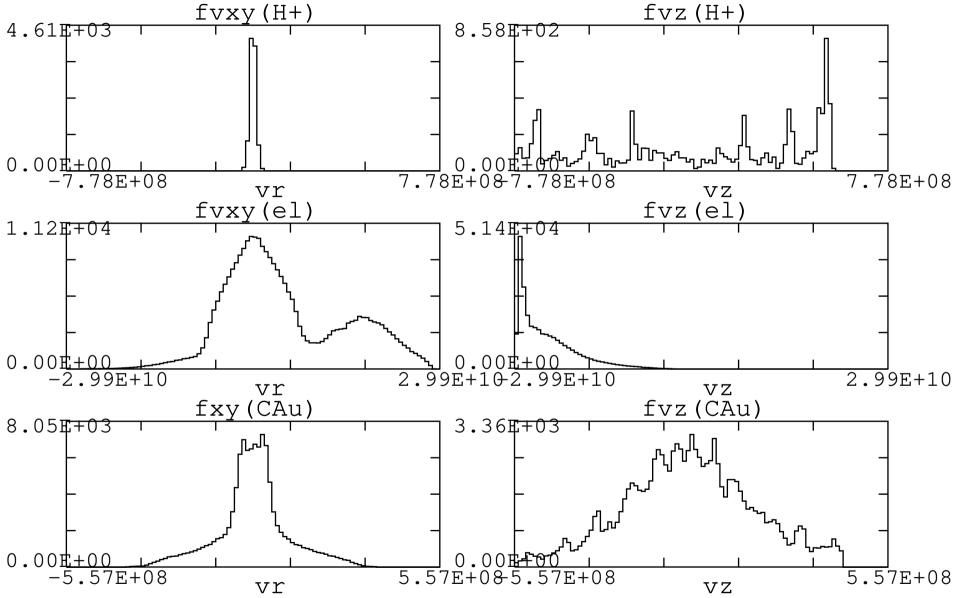
VZ

5.88E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse



t = 5.60E - 15



t = 5.70E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.50 **E** + 037.711+027.24E+08 vr VZfvxy(el) fvz(el) 1.12E+04 5.14 ± 0.4 ______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 2.96E+03 7.71E+03 ᠘᠘᠕

 $0.00\pm +00$

-5.32E+08

vr

t = 5.80E - 15

VZ

5.32E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+) $4.40 \pm +03$ 7.38 **E** + 02_____0.00<u>#\foot_\r\</u> 6.83E+08-6.83E+08 6.83E+08 vr VZfvxy(el) fvz(el) 5.13 **E** + 041.12E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 7.32E+032.74E+03լռոյի ۲۷,

> _____0.00**±+00**___ 5.03E+08-5.03E+08

 $0.00\pm +00$

-5.03E+08

vr

t = 5.90E - 15

VZ

5.03E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.60E+03 $1.00 \pm +03$ $\overline{7.51E+08}$ vr VZfvxy(el) fvz(el) 5.13 **E** +041.12E+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz(CAu) fxy(CAu) 7.90E+032.89**E**+03րլին

 $0.00\pm +00$

-5.41E+08

vr

t = 6.00E - 15

VZ

5.41E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.81E+03 9.61E+02 0.00 ± 0.00 -8.30E+088.30E+08 vr VZfvxy(el) fvz(el) 1.12E+045.124 + 04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 8.46E+03 $3.08 \pm +03$

> 0.00<u>E+00</u> 5.82E+08-5.82E+08

 $0.00\pm +00$

-5.82E+08

vr

$$t = 6.10E - 15$$

VZ

5.82E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.98E+031.08 $\pm +03$ 9.03E+08 vr fvxy(el) fvz(el) 1.12E+045.12 E + 04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) $3.35 \pm +03$ 8.83E+03 1|ՄԻ _____0.00<u>E+00</u>______ 6.19E+08-6.19E+08 $0.00\pm +00$

-6.19E+08

vr

$$t = 6.20E - 15$$

VZ

6.19E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.12E+03 $1.12 \pm +03$ 0.00k+00 9.64E+08-9.64E+08 0.00 ± 0.0 -9.64E+089.64E+08 vr VZfvxy(el) fvz(el) 1.12E+045.11E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 9.37E+03 3.59**E**+03_____0.00<u>E+00_____</u> 6.49E+08-6.49E+08 $0.00\pm +00$ 6.49E+08 -6.49E+08vr VZ

t = 6.30E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)5.26年+03 1.68年+03 0.00±+00 1.01E+09-1.01E+09 1.01E+09vr VZfvxy(el) fvz(el) 1.12E+045.11E+04 $0.00 \pm +00$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 9.83**E**+03 $3.65 \pm +03$ $0.00\pm +00$ 6.71E+08 -6.71E+08vr VZ

t = 6.40E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) $5.40 \pm +03$ $1.83 \pm +03$ ~~ [~~,~~~~~~ 0.00±+00 1.04E+09-1.04E+09 $0.00\pm +00$ -1.04E+091.04E+09vr VZfvxy(el) fvz(el) 1.12E+045.11E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) $3.76 \pm +03$ 1.02E+04 $0.00\pm +00$ -6.86E+08 6.86E+08 vr VZ

t = 6.50E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 5.47E+03 $1.80 \pm +03$ _____0.00<u>t+00___</u> 1.07E+09-1.07E+09 $0.00 \pm + 00$ -1.07E+091.07E+09vr VZfvxy(el) fvz(el) 1.12E+04 $5.10 \pm +04$ $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 1.05E+044.45E+030.00<u>±+00</u> 6.93E+08-6.93E+08 $0.00\pm +00$ -6.93E+086.93E+08 vr

6.60E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 5.48E+031.57 **E** + 0.3_____0.00<u>t+00___</u> 1.07E+09-1.07E+09 1.07E+09vr VZfvxy(el) fvz(el) 1.12E+04 $5.10 \pm +04$ $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 1.06E+044.94E+030.00<u>E+00</u> 6.91E+08-6.91E+08 $0.00\pm +00$ -6.91E+086.91E+08 vr VΖ

t = 6.70E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.47E+031.43E+030.00±+00 1.06E+09-1.06E+09 $0.00\pm +00$ -1.06E+091.06E+09 vr VZfvxy(el) fvz(el) 5.10L+04 1.12E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 1.07 **E** + 044.16E+03_____0.00<u>t+00____</u> 6.83E+08-6.83E+08 $0.00\pm +00$ -6.83E+086.83E+08

vr

6.80E-15 t=

VΖ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.41E+031.54 E + 0.30.00±+00 1.03E+091.03E+09 1.03E+09vr VZfvxy(el) fvz(el) 1.12E+045.09**E**+04______0.00<u>E+00</u>______ 2.99E+10-2.99E+10 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 1.08E+044.26E+03 $0.00\pm +00$ 6.77E+08 -6.77E+08vr

$$t = 6.90E - 15$$

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.35 **E** +03 $1.60 \pm +03$ $_{u\sim}$ / $_{u\sim}$ / $_{u\sim}$ / $_{u\sim}$ / $_{u\sim}$ / $_{u\sim}$ 0.00±+00 9.96E+08-9.96E+08 9.96E+08 vr fvxy(el) fvz(el) 1.12E+045.09**E**+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 1.08E+044.00E+03_____0.00<u>E+00_____</u> 6.64E+08-6.64E+08 $0.00\pm +00$ 6.64E+08 -6.64E+08vr VZ

t = 7.00E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.23 **E** +03 $1.66 \pm +03$ 9.50E+08 vr VZfvxy(el) fvz(el) 5.09**E**+041.11E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 1.06E+043.43E+03 $0.00\pm +00$ 6.45E+08 -6.45E+08vr VZ

t = 7.10E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.09 **E** + 031.41E+03 $0.00\pm +00$ -8.98E+088.98E+08 vr VZfvxy(el) fvz(el) 5.08 **E** +041.11E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) 1.04E+043.13E+030.00<u>k+00 r</u> 7 6.20E+08 $0.00\pm +00$ -6.20E+086.20E+08 vr VZ

t = 7.20E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 4.95E+03 $1.06 \pm +03$ 0.00<u>E+00</u> -8.43E+08 8.43E+08 vr VZfvxy(el) fvz(el) 5.08集+04 1.11E+04 $0.00 \pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 1.01E+043.07**E**+03

> 0.00±+06²² 5.90E+08-5.90E+08

 $0.00\pm +00$

-5.90E+08

vr

$$t = 7.30E - 15$$

VZ

5.90E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 9.26**E**+024.75E+03 _____ 0.00<u>k+/0/</u>//_/^{/1} 7.76E+08-7.76E+08 $0.00\pm +00$ -7.76E+08 $\overline{7.76E+08}$ vr VZfvxy(el) fvz(el) 5.08集+04 1.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 9.771+032.69年+03

 $0.00\pm +00$

-5.56E+08

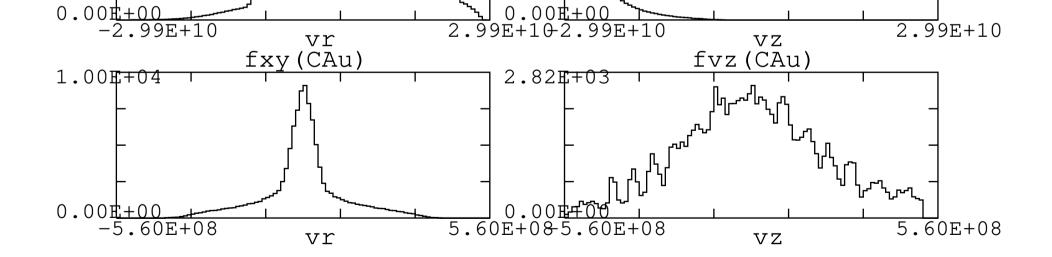
vr

t = 7.40E - 15

VZ

5.56E+08

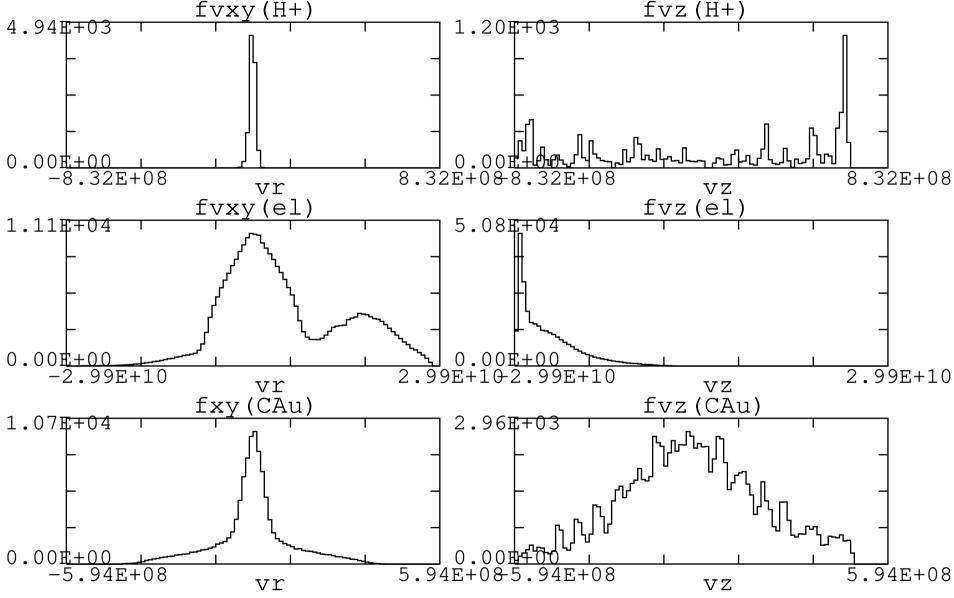
cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) $4.72 \pm +03$ 9.524 + 02 $0.00\pm +00$ -7.68E+087.68E+08 vr VZfvxy(el) fvz(el) 5.08集+04 1.11E+04



7.50E-15

t=

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+)



t = 7.60E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.16E+03 1.06 $\pm +03$ 0.00<u>E+00</u> -8.86E+08 8.86E+08 vr VZfvxy(el) fvz(el) 5.07年+04 1.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.20 **E** + 031.13E+04_____0.00<u>時子</u>00.00 6.21E+08-6.21E+08 $0.00\pm +00$ -6.21E+086.21E+08

vr

$$t = 7.70E - 15$$

VZ

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.31 **E** +031.06 $\pm +03$ 9.32E+08 vr VZfvxy(el) fvz(el) 5.07年十04 1.11E+04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.24E+031.18E+04_____0.00世子700---6.39E+08-6.39E+08 $0.00\pm +00$

-6.39E+08

vr

7.80E-15 t=

VZ

6.39E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.39E+031.08 $\pm +03$ 9.59E+08 vr VZfvxy(el) fvz(el) 5.07年十04 1.11E+04 $0.00\pm +00$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.65 **E** + 031.21E+04_____0.00世子でひょ_ 6.49E+08-6.49E+08 $0.00\pm +00$ -6.49E+086.49E+08

vr

7.90E-15 t=

VZ

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)5.39E+03 $8.34 \pm +02$ _____0.00比半切り '元___ 9.68E+08-9.68E+08 9.68E+08 vr VZfvxy(el) fvz(el) 5.06年+04 1.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.97**E**+031.23E+04_____0.00世年66¹⁵___ 6.52E+08-6.52E+08 $0.00\pm +00$ -6.52E+086.52E+08 vr VZ

t = 8.00E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 5.31E+031.19E+03_____0.00±¥ЫД"└~\ 9.62E+08-9.62E+08 9.62E+08 vr VZfvxy(el) fvz(el) 5.06年+04 1.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 3.96E + 031.24E+04_____0.00##db/___ 6.48E+08-6.48E+08 $0.00\pm +00$ -6.48E+086.48E+08

vr

8.10E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 5.18**E**+03 $9.96 \pm +02$ _____0.00<u>比</u> 9.44E+08-9 9.44E+08 vr VZfvxy(el) fvz(el) 5.06联+04 1.11E+04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfxy (CAu) fvz (CAu) 3.51E+03 1.24E+04_____0.00世<u>年の</u>り 6.39E+08-6.39E+08 $0.00\pm +00$ -6.39E+086.39E+08 vr VZ

t = 8.20E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 4.95E+03 8.48E+02 0.00<u>±+00</u> -9.11E+08 _____0.00<u>年</u> 9.11E+08-9 9.11E+08 vr VZfvxy(el) fvz(el) 5.06年+04 1.11E+04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfxy (CAu) fvz (CAu) 3.36E+031.24E+04

_____0.00帕指66.26E+08

 $0.00\pm +00$

-6.26E+08

vr

$$t = 8.30E - 15$$

VZ

6.26E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)4.68E+03 7.731+02 $0.00\pm +00$ -8.66E+08 8.66E+08 vr VZfvxy(el) fvz(el) 5.05年+04 1.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 2.93E+03 1.23E+04

> _____0.00亩<u>年60</u>____ 6.06E+08-6.06E+08

 $0.00\pm +00$

-6.06E+08

vr

t = 8.40E - 15

VZ

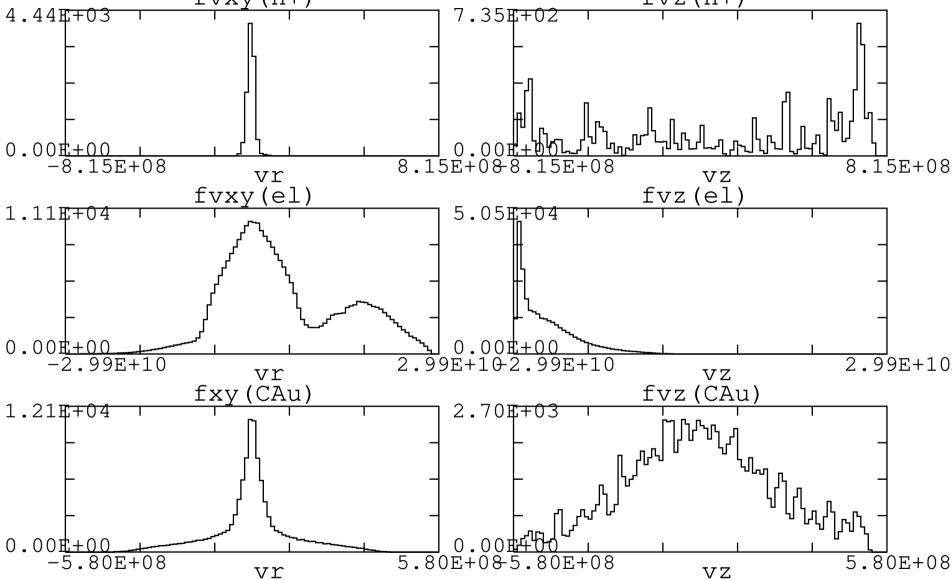
6.06E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse

fvxy(H+)

7.35E+02

7.35E+02



t = 8.50E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)7.85 **E** + 024.47E+03_____ 0.00분뉴0솅가누구비 8.30E+0용-8.30E+08 8.30E+08 vr VZfvxy(el) fvz(el) 5.05 **E** +041.11E+04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 2.70F+03 1.21E+04

_____ 0.00**t#00 ____** 5.70E+08-5.70E+08

 $0.00\pm +00$

-5.70E+08

vr

$$t = 8.60E - 15$$

VZ

5.70E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)7.76 **E** +024.71E+030.00<u>E+00</u> -8.95E+08 _____ 0.00<u>k+0이 나난</u> 8.95E+08-8.95E+08 8.95E+08 vr VZfvxy(el) fvz(el) 5.05 **E** +041.11E+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy (CAu) fvz (CAu) 2.82E+03 1.30E+04

 $0.00\pm +00$

-6.04E+08

vr

t = 8.70E - 15

VZ

6.04E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 4.93E+03 8.68年+02 9.55E+08 vr VZfvxy(el) fvz(el) 5.04 E + 041.11E+04 $0.00 \pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 3.13E+031.37E+040.00<u>E+00-/~~~</u> 6.34E+08-6.34E+08

 $0.00\pm +00$

-6.34E+08

vr

8.80E-15 t=

VZ

6.34E+08

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.17E+038.13E+02 凡 _____0.00<u>t+00___</u>__ 1.02E+09-1.02E+09 1.02E+09 vr VZfvxy(el) fvz(el) 1.11E+045.04 E + 04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 3.10E+031.43E+04ᄱᄱ $0.00\pm +00$ -6.59E+086.59E+08

vr

8.90E-15 t=

VZ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)5.25<u>E+03</u> 6.93E+02_____0.00±+00_____ 1.06E+09-1.06E+09 1.06E+09 vr VZfvxy(el) fvz(el) 5.04年+04 1.11E+04 $0.00 \pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) $3.34 \pm +03$ 1.48E+04 $0.00\pm +00$ -6.84E+086.84E+08 vr VZ

$$t = 9.00E - 15$$

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvxy(H+) fvz(H+)5.27E+039.04E+02_____0.00±+00____ 1.09E+09-1.09E+09 $0.00\pm +00$ -1.09E+091.09E+09 vr VZfvxy(el) fvz(el) 5.04 E + 041.11E+04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 1.52E+043.42E+03_____0.00<u>t+00______</u> 7.01E+08-7.01E+08 $0.00\pm +00$ -7.01E+087.01E+08 vr VZ

t = 9.10E - 15

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 5.23 **E** +03 $6.86 \pm +02$ _____0.00<u>t+00___</u> 1.10E+09-1.10E+09 1.10E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.03 <u>E</u> + 0.4 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy (CAu) 3.59**E**+031.56E+04 $0.00\pm +00$ -7.12E+087.12E+08 vr VZ

t = 9.20E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.16E+03 $7.83 \pm +02$ _____0.00<u>±+00___</u> 1.11E+09-1.11E+09 $\overline{1.11}$ 1E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.03 <u>E</u> + 0.4 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfxy(CAu) fvz (CAu) 4.01E+031.58E+040.00<u>E+00</u> -7.18E+08 7.18E+08 vr VZ

t = 9.30E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 5.05 **E** +03 $8.45 \pm +02$ _____0.00<u>t+00___</u> 1.11E+09-1.11E+09 $\overline{1.11}$ 1E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.03 <u>E</u> + 0.4 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfxy(CAu) fvz (CAu) 4.24E+031.59E+040.00<u>E+00</u> -7.16E+08 7.16E+08 vr VZ

t = 9.40E - 15

cnt-em3s 2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse fvz(H+)fvxy(H+) 4.93E+03 7.79 年+02_____0.00±+00___ 1.10E+09-1.10E+09 1.10E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.03 <u>E</u> + 0.4 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfxy(CAu) fvz (CAu) 4.05 **E** +031.59E+040.00<u>t+00</u> -7.10E+08 7.10E+08

vr

9.50E-15 t=

VΖ

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.78E+037.711+020.00±+00 1.09E+09-1.09E+09 $0.00\pm +00$ -1.09E+091.09E+09vr VZfvxy(el) fvz(el) 1.10E + 045.03年+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) $3.68 \pm +03$ 1.59E+04

> _____0.00<u>比+00 元</u>元 7.00E+08-7.00E+08

 $0.00\pm +00$

-7.00E+08

vr

t = 9.60E - 15

VZ

7.00E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.64E+037.731+020.00±+00 1 1.06E+09-1.06E+09 $0.00\pm +00$ -1.06E+091.06E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.03年+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfxy(CAu) fvz (CAu) $3.50 \pm +03$ 1.58E+04

> _____0.00<u>比+00 パパ</u> 6.85E+08-6.85E+08

 $0.00\pm +00$

-6.85E+08

vr

t = 9.70E - 15

VZ

6.85E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.48E+037.721 + 020.00±+00 1 1.03E+09-1.03E+09 1.03E+09 vr fvxy(el) fvz(el) 1.10E + 045.02年+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy(CAu) $3.43 \pm +03$ 1.56E+040.00E+00 777 0.00E+00 6.65E+08

 $0.00\pm +00$

-6.65E+08

vr

6.65E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.35E+03 7.371 + 02 $0.00 \pm +00$ -1.00E+091.00E+09 vr VZfvxy(el) fvz(el) 1.10E + 045.02<u>F</u>+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy(CAu) 1.54E+040.00E+00-42E+08 3.17**E**+03

 $0.00\pm +00$

-6.42E+08

vr

6.42E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.24E+037.121+029.68E+08 vr VZfvxy(el) fvz(el) 5.02年104 1.10E + 04 $0.00\pm +0.0$ 2.99E+10 -2.99E+10vr VZfvz (CAu) fxy(CAu) 0.00E+00 6.19E+08-6.19E+08 2.891 + 031.51E+04

 $0.00\pm +00$

-6.19E+08

vr

6.19E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.14E+03 6.51E+02 9.36E+08 vr VZfvxy(el) fvz(el) 1.10E + 045.02年+04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 1.48E+042.75E+03

_____ 0.00±±065____ 5.96E+08-5.96E+08

 $0.00\pm +00$

-5.96E+08

vr

1.01E-14 t=

VZ

5.96E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvxy(H+) fvz(H+)4.06E+03 6.19**E**+02_____0.00<u>к+100^LLJU</u> 9.06E+08-9.06E+08 9.06E+08 vr VZfvxy(el) fvz(el) 5.024+04 1.10E + 04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy(CAu) 2.63E+03 1.47E+04 $0.00\pm +00$

-5.89E+08

vr

1.02E-14 t=

VZ

5.89E+08

2024/11/10 Laser 800 nm, 6x10^20 W/cm^2, pulse cnt-em3s fvz(H+)fvxy(H+) 3.97E+036.58**E**+02 0.00 ± 0.0 -8.80E+08 8.80E+08 vr VZfvxy(el) fvz(el) $5.02 \pm +04$ 1.10E + 04 $0.00\pm +0.0$ -2.99E+102.99E+10 vr VZfvz (CAu) fxy (CAu) 1.52E+042.72E+03_____0.00<u>#+60___</u> 6.11E+08-6.11E+08 $0.00\pm +00$ -6.11E+08 6.11E+08 vr VZ

t = 1.03E - 14