

energy density ( $\text{J}/\text{cm}^2$ )

$8 \times 10^{-3}$

$\Delta t = 5\text{fs}$

5nm Au / 7nm Fe / MgO  
Front pump

6

4

2

0

-2

-200

-100

0

100

200

300

time delay (fs)

- 'Electrons\_0.1eV'
- 'Electrons\_0.2eV'
- 'Electrons\_0.3eV'
- 'Electrons\_0.4eV'
- 'Electrons\_0.5eV'
- 'Electrons\_0.6eV'
- 'Electrons\_0.7eV'
- 'Electrons\_0.8eV'
- 'Electrons\_0.9eV'
- 'Electrons\_1.0eV'
- 'Electrons\_1.1eV'
- 'Electrons\_1.2eV'
- 'Electrons\_1.3eV'
- 'Electrons\_1.4eV'
- 'Electrons\_1.5eV'
- 'Electrons\_1.6eV'
- 'Electrons\_1.7eV'