c111 s0.00 r18 k24 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 1.5 J [fs-1.A-2] 1.0 H 0.5 0.00 0.5 -0.050.0 12.5 15.0 2.5 5.0 7.5 10.0 12.5 2.5 5.0 7.5 10.0 17.5 0.0 15.0 17.5 0.0 Time [fs] Time [fs] c111 s0.05 r18 k8 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 1.5 $J[fs^{-1} \cdot A^{-2}]$ 1.0 E 0.5 0.00 -0.050.0 2.5 2.5 7.5 10.0 12.5 15.0 17.5 5.0 7.5 12.5 5.0 0.0 0.0 10.0 15.0 17.5 Time [fs] Time [fs] c111 s0.05 r18 k12 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05] [fs-1.Å-2] E [eV] 0.00 -0.057.5 10.0 12.5 17.5 2.5 7.5 10.0 12.5 15.0 2.5 5.0 5.0 15.0 0.0 17.5 0.0 Time [fs] Time [fs] c111 s0.05 r18 k16 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 [eV] 0.00 -0.052.5 5.0 7.5 10.0 12.5 5.0 7.5 10.0 12.5 15.0 15.0 17.5 0.0 17.5 0.0 Time [fs] Time [fs] c111 s0.05 r18 k20 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 J [fs-1.A-2] E [eV] 0.00 -0.050 2.5 5.0 7.5 12.5 15.0 17.5 5.0 7.5 10.0 12.5 15.0 0.0 2.5 10.0 0.0 17.5 Time [fs] Time [fs] c111 s0.05 r18 k24 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 J [fs-1.A-2] E [eV] 0.00 -0.050 2.5 2.5 5.0 7.5 12.5 5.0 7.5 10.0 12.5 15.0 17.5 0.0 10.0 15.0 17.5 0.0 Time [fs] Time [fs] c112 s0.00 r18 k24 a1.5 i700 t9 Full matter current density Full excitation energy per unit cell 0 -0.025 [fs-1.A-2] -100.000 -0.025-202.5 5.0 7.5 12.5 17.5 2.5 5.0 7.5 12.5 0.0 10.0 15.0 0.0 10.0 15.0 17.5 Time [fs] Time [fs] c112 s0.05 r18 k8 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 J [fs-1.A-2] E [eV] 0.00 -0.050 12.5 5.0 7.5 2.5 5.0 7.5 10.0 15.0 17.5 0.0 2.5 10.0 12.5 15.0 0.0 17.5 Time [fs] Time [fs] c112 s0.05 r18 k12 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 J [fs-1.A-2] E [eV] 0.00 -0.050 2.5 7.5 12.5 5.0 7.5 10.0 12.5 15.0 5.0 10.0 15.0 17.5 2.5 0.0 17.5 0.0 Time [fs] Time [fs] c112 s0.05 r18 k16 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 J [fs-1.A-2] E [eV] 0.00 -0.0512.5 7.5 7.5 10.0 17.5 2.5 5.0 10.0 12.5 2.5 5.0 15.0 0.0 15.0 17.5 0.0 Time [fs] Time [fs] c112 s0.05 r18 k20 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 4 E [eV] 0.00 -0.05 0.0 2.5 5.0 10.0 15.0 0.0 5.0 12.5 15.0 12.5 10.0 Time [fs] Time [fs] c112 s0.05 r18 k24 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0 0.025 E [eV] 0.000 -20 -0.0252.5 5.0 7.5 2.5 12.5 15.0 17.5 10.0 12.5 15.0 17.5 5.0 7.5 10.0 0.0 0.0 Time [fs] Time [fs] c114 s0.00 r18 k24 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density -50—50 — −100 0.0 -150-0.117.5 7.5 10.0 12.5 5.0 12.5 0.0 2.5 5.0 15.0 0.0 2.5 7.5 10.0 15.0 17.5 Time [fs] Time [fs] c114 s0.05 r18 k8 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 7.5 0.05] [fs-1.A-2] 5.0 E [e] 2.5 0.00 -0.050.0 12.5 2.5 5.0 2.5 7.5 10.0 15.0 17.5 5.0 7.5 10.0 12.5 0.0 15.0 0.0 17.5 Time [fs] Time [fs] c114 s0.05 r18 k16 a1.5 i700 t9 Full excitation energy per unit cell Full matter current density 0.05 7.5 - $J[fs^{-1} \cdot A^{-2}]$ 5.0 E 2.5 0.00 -0.050.0 2.5 2.5 5.0 7.5 12.5 15.0 5.0 7.5 10.0 10.0 0.0 12.5 15.0 17.5 17.5 0.0 Time [fs] Time [fs] c114 s0.05 r18 k24 a1.5 i700 t9 Full matter current density Full excitation energy per unit cell J [fs-1.A-2] 0.05 -50 —50 — −100 0.00 -0.05-150-0.1015.0 17.5 7.5 0.0 2.5 5.0 10.0 12.5 0.0 2.5 5.0 10.0 12.5 15.0 17.5 7.5 Time [fs] Time [fs]