

EMP generated by high intensity ultrashort laser-solid interaction on the Vulcan Petawatt Data set

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Figure 18 caption:

Time-frequency analysis of two laser shots. Multiple scanning window sizes have been applied of 100, 50 and 25 ns with transition to the smaller window sizes occurring at 80 and 320 MHz. The laser energy on target was 38 J for (a) and 365 J for (b). For both panels the colour scale represents the amplitude normalised to the scanning window length. The inserts in each figure show frequency and time ranges of interest from the main figures. The axes in the inserts have the same units as the main figures with the two inserts for (b) sharing the same time axis.