Figure 2  
  
Caption: Exemplary voltage (red) and current (blue) waveforms of the μs-pulse and ns-pulse

used to ignite the discharge. (a) shows the μs-pulse as a damped sinusoidal wave with a starting

peak-to-peak voltage and current of approximately 7 kV and 1 A respectively. (b) illustrates

the ns-pulse, characterized by the form of a singular positive peak of approximately 21 kV, and

160 A for voltage and current respectively. The repetition frequency for both μs- and ns-pulses

is set to 1 kHz. The dashed black lines in panels (a) and (b) indicate the starting points for the

measurements shown in figure 4. The green dashed line and points indicate the voltage pulse

used in simulations.  
  
  
Figure 2 a)   
  
x (Time / µs), y1 (Current / A), y2 (Voltage / kV),

dashed line (see caption)   
  
Figure 2 b)   
  
x (Time / ns) , y1 (Current / A), y2 (Voltage / kV),  
  
 black and green dashed line (see caption)