

Supporting Information

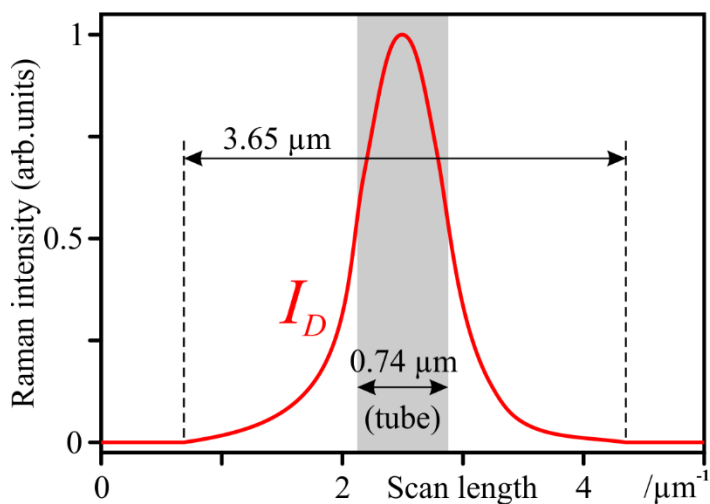


Figure S1 - Beam spot diameter determination: A Raman scan of an amorphous carbon fiber from ¹ with 0.175 mW. The known tube diameter (0.74 μm) was subtracted from the length of the monitored increment and decay in I_G . The resulting beam spot diameter is 2.91 μm .

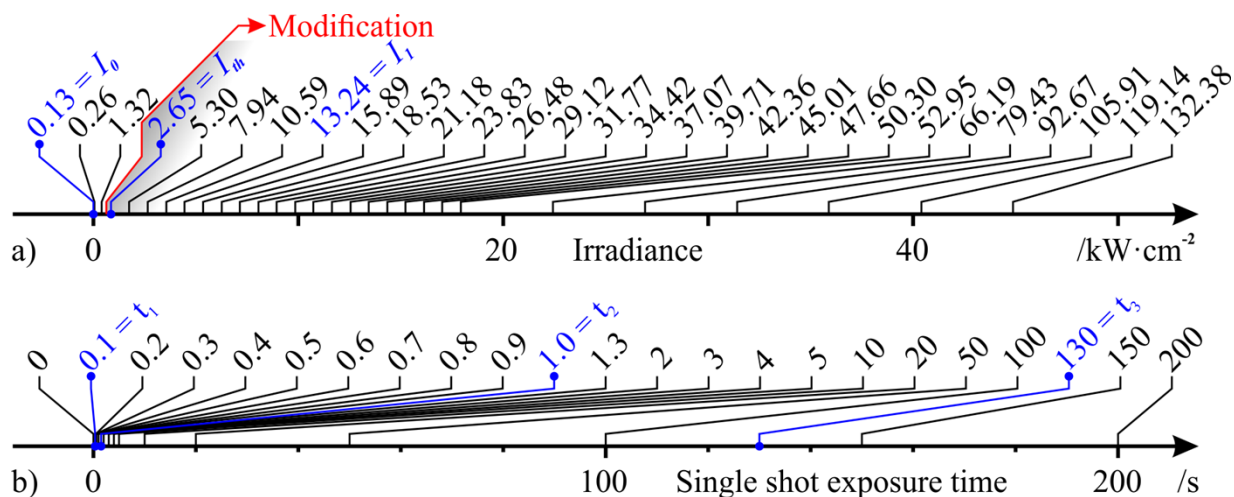


Figure S2 - Laser irradiance (a) and exposure time sweeps (b) – Different intervals adapt to the rate of change of the Raman signal. Values I_0 , I_{thr} , I_1 and t_{1-3} are reference values for observed singularities.