# Tailoring harmonic radiation to different applications using a genetic algorithm (vol 34, pg 5041, 2001)

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# Corrigendum

**Tailoring harmonic radiation to different applications using a genetic algorithm**
L Roos, M B Gaarde and A L'Huillier 2001 *J. Phys. B: At. Mol. Opt. Phys.* **34** 5041–5054

The *J. Phys. B* publishing team would like to apologise to the authors of the above paper. Due to an oversight, the article was published in issue 24 of volume 34 without the colour figures requested by the authors. We are therefore reprinting figures 1, 2 and 5 from that article.

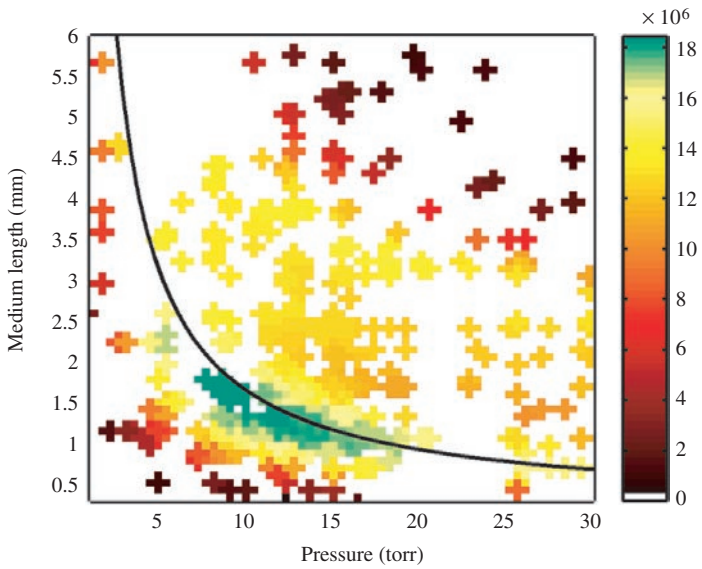


**Figure 1.** Optimization of the number of photons in the ninth harmonic in xenon with respect to pressure and medium length. The number of photons is given in accordance with the colour bar on the right.

  

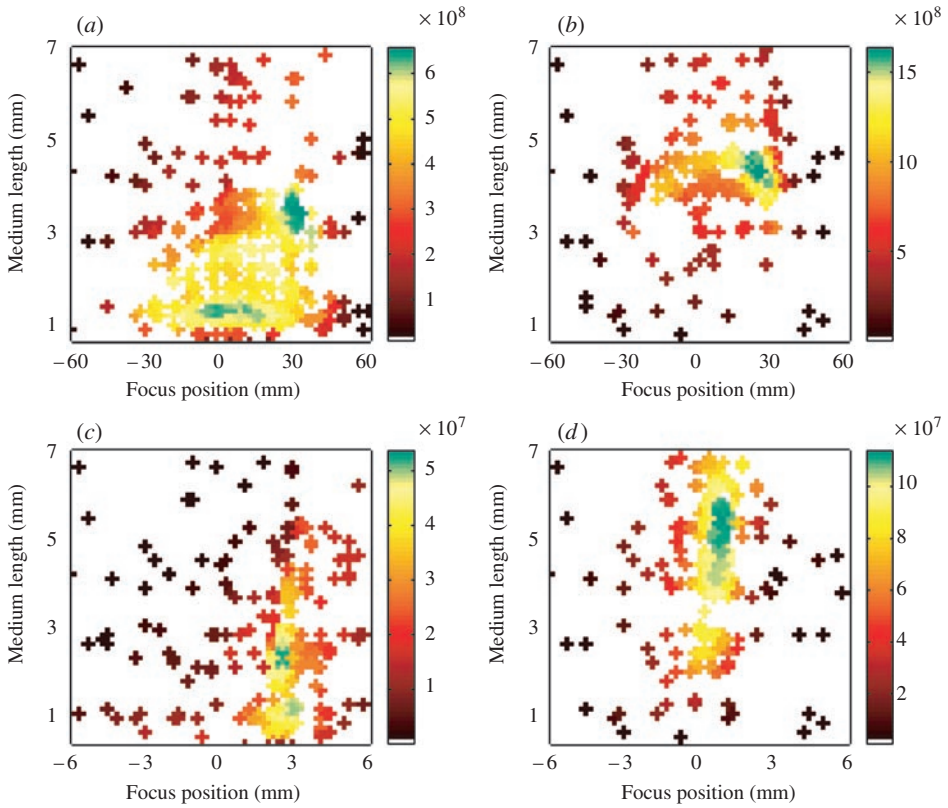


**Figure 2.** Optimization of the number of photons with respect to focus position and medium length in argon. The laser peak intensity is $I_0 = 2.4 \times 10^{14}$ W cm$^{-2}$. (*a*) H15, $b \approx 10.5$ cm. (*b*) H29, $b \approx 10.5$ cm. (*c*) H15, $b = 1$ cm. (*d*) H29, $b = 1$ cm. At $Z_0 = 0$ the laser focus is in the centre of the medium, $Z_0 < 0$ means that the focus is before the centre of the medium, while the focus is after the centre of the gas medium for $Z_0 > 0$.

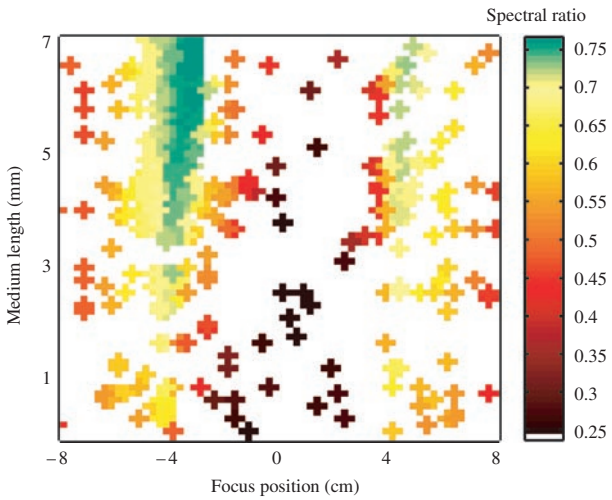


**Figure 5.** Optimization of the temporal coherence (spectral ratio) of the 15th harmonic in argon with respect to $L$ and $Z_0$, at a fixed peak intensity of $1.6 \times 10^{14}$ W cm$^{-2}$.