Reviewer: Even though this is a minor aspect, I encourage the authors to write in the text what is the polarization of the wiriting beams, as I suggested in the previous draft, i.e. in lines (92 - 95) it is not explained whether the beams are polarized perpendicular to the scattering plane (i.e. along y, s-polarization) or within the scatterign plane (i.e. p-polarization). That would provide the reader with a clearer understanding of the experimental arrangement considered.

Authors: We agree on the reviewer's advice on this point. The incident light beams are s-polarized and their plane of polarization is perpendicular to both the crystal's c-axis and the grating vector's direction.

Revisions:

[96-97]: Both plane waves, A_1 and A_2, are s-polarized, and the plane of polarization is perpendicular to the c-axis of the crystal.

Reviewer: I also recommend to state somewhere that the two writing beams are considered as plane waves, so that intensity can be considered as uniform and wavefront are planes. Notice that this assumption is often assumed in theoretical modelling but rarely realized in experiments.

Authors: We've added a section to clarify that the two writing beams are considered ideal plane waves.

Revisions:

[151-153]: (In our theoretical analysis, we consider the two writing beams to be ideal plane waves. This means that their intensity is perfectly uniform across the wavefront).

Reviewer: Apart from those minor corrections, the quality of the paper has been improved and in my opinion can be considered for publication.

Authors: We authors thank appreciate the time and efforts spend in reviewing the revised version of the paper and for providing useful comments again.