- 1. Please clarify what "it" refers to in "is that it can be optically." NV-? "it" refers to the NV- spin
- 2. Please clarify what "it" refers to in "It would, indeed, offer the." "This technology"?

"it" refers to this technology

3. Please define VH-and WAR1

VH- corresponds to the negatively charged vacancy-hydrogen center WAR1 corresponds to the first unidentified diamond spin defect found at the University of Warwick

4. Please clarify what "this" refers to in "This could otherwise result in." "This projection"?

"this" refers to "this method"

5. The asterisk was deleted from Table I because it did not seem to correspond to anything. If it had a mean, Please define and check formating of the table

the asterisk had no meaning

6. Correct to use 5 rather than V for the section of the SM to match the other references. Please check.

It is correct to use 5 rather than V (note pour Gabriel : en vrai le SI est écrit en chiffre romain, est-ce que ça vaut le coup de le signaler (et de changer toutes les refs sauf celle-ci))

7. Please define NVH

NVH stands for the nitrogen-vacancy-hydrogen center

8. Please define ZFS

ZFS stands for zero-field splitting

- 9. Please provide page/citation number for Ref. [4] The page numbers are 131-156.
- 10. Please update Ref. [15] with a published article if possible ref. [15] has not yet been published in a peer-reviewed journal
- 11. Please provide a description of the Supplemental Material in Ref. [21] "for further experimental and simulation details"
- 12. Please update Ref. [32] if possible.

Ref. [32] has been accepted in PRB but has not yet been published

13. FQ: This funding provider could not be uniquely identified during our search of the FundRef registry (or no Contract or Grantnumber was detected). Please check information and amend if incomplete or incorrect.

Je te laisse répondre Gabriel