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Reply to 'Comment on "angstrom-scale probing of paramagnetic centers location in nanodiamonds by ^3He NMR at low temperatures"' by A. Shames, V. Osipov and A. Panich,': Phys. Chem. Chem. Phys. 2018, 20, DOI: 10.1039/c8cp03331e

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Abstract

© the Owner Societies 2018. Shames et al. made a comment on our article (DOI: 10.1039/C7CP05898E) stating that their experience in EPR studies of detonation nanodiamonds suggests the existence of two main types of paramagnetic center in detonation nanodiamonds which questions our results. In this reply we provide insights into why there is only one main type of paramagnetic centers detected in nanodiamonds used in this work, which validates the correctness of the proposed original method to determine the distances between paramagnetic centers and nanoparticle surfaces by ^3He NMR.

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