

## ***Interactive comment on “Multidecadal persistence of organic matter in soils: investigations at the submicrometer scale” by Suzanne Lutfalla et al.***

**Anonymous Referee #2**

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This study addressed important issues related to multidecadal persistence of organic matter in soils at the submicrometer scale, and the results have important implications for soil carbon storage, and its mechanism of soil mineral protection. Specific comments In the discussion, it conclude that persistent SOM in clay fractions is N-rich compounds, which is supported by the C:N ratios. However, this is not solid, it should be evidenced by the N K-edge stacks or XPS information.

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