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## **d 5 -off-centering induced ferroelectric and magnetoelectric correlations in trirutile-Fe<sub>2</sub>TeO<sub>6</sub>**

*Monday 20 March 2023 16:00 (2 hours)*

We present the rare existence of d5 off-centering induced weak ferroelectric polarization and demonstrate its correlation with observed magnetoelectric (ME) properties in the G type (TN~210 K) antiferromagnet Fe<sub>2</sub>TeO<sub>6</sub> compound.

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