

Supporting Information for:

RbFe²⁺Fe³⁺F₆: Synthesis, Structure, and Characterization of a New Charge-Ordered Magnetically Frustrated Pyrochlore-Related Mixed-Metal Fluoride

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S1. Experimental and calculated powder X-ray diffraction patterns for RbFe₂F₆

S2. ORTEP (50% probability ellipsoids) diagrams for RbFe₂F₆

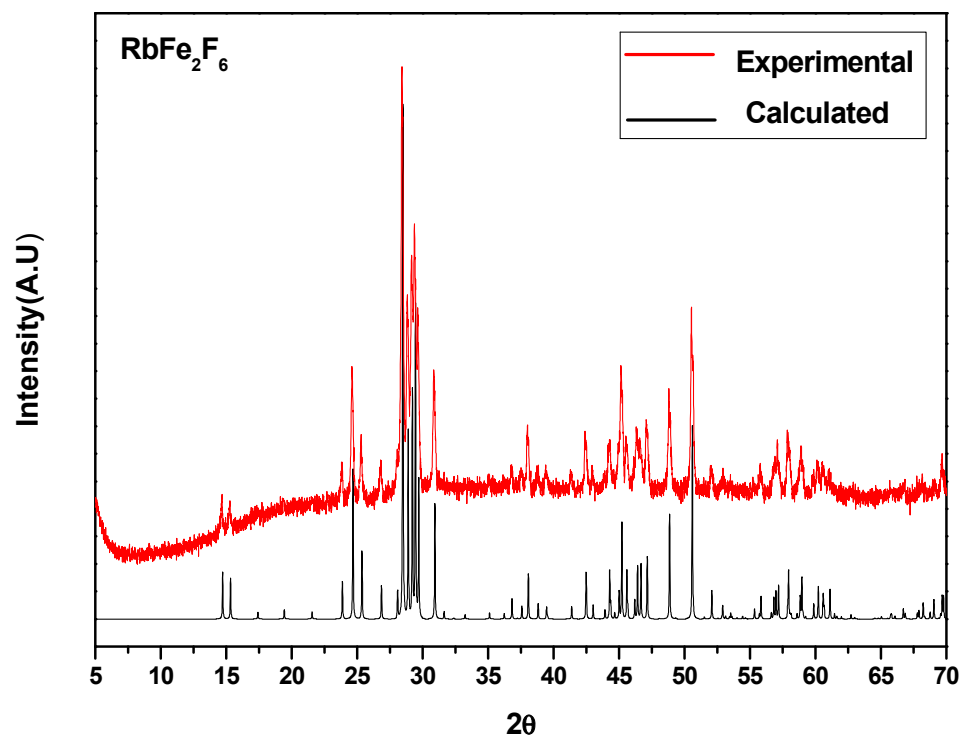
S3. IR spectrum for RbFe₂F₆

S4. UV-Vis diffuse reflectance spectrum for RbFe₂F₆

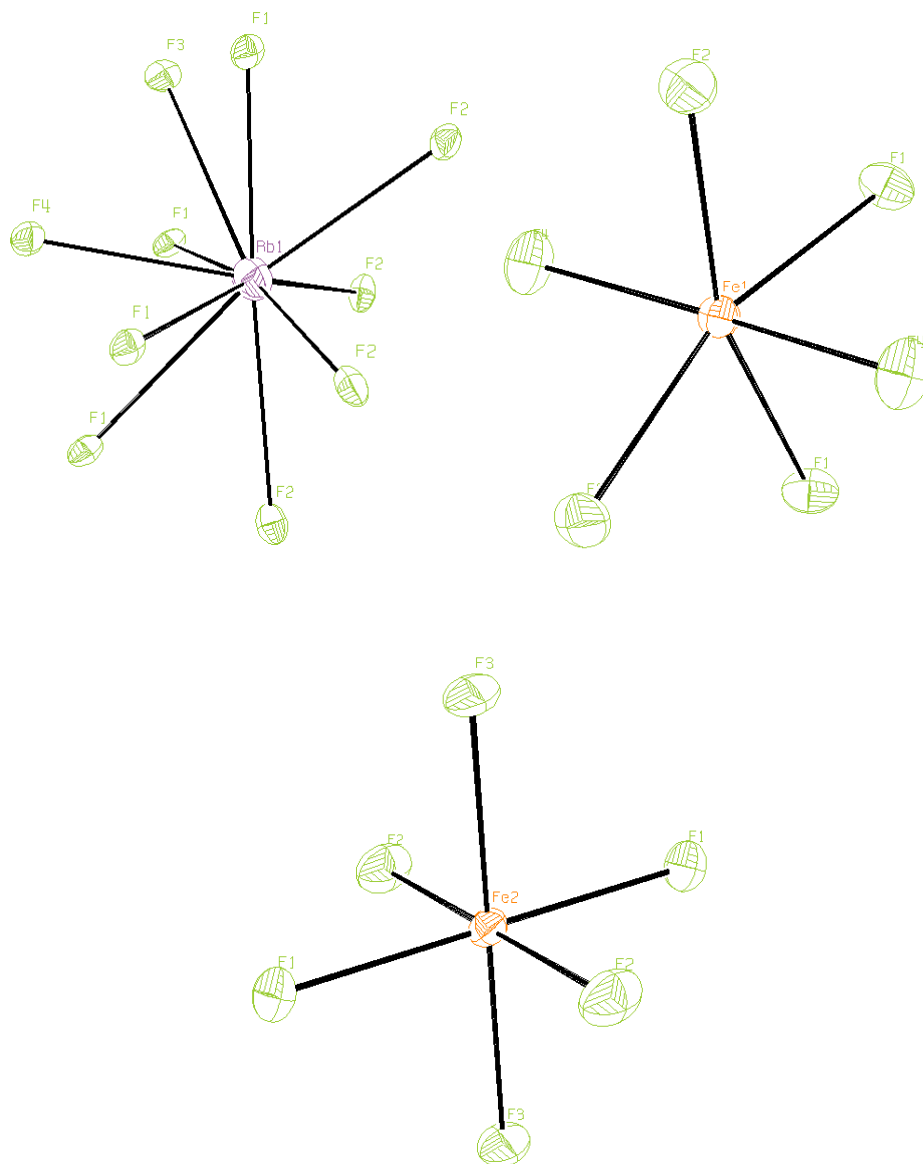
S5. Thermogravimetric analysis and differential thermal analysis diagram for RbFe₂F₆

S6. Powder X-ray diffraction data for final residuals after TGA Experiment

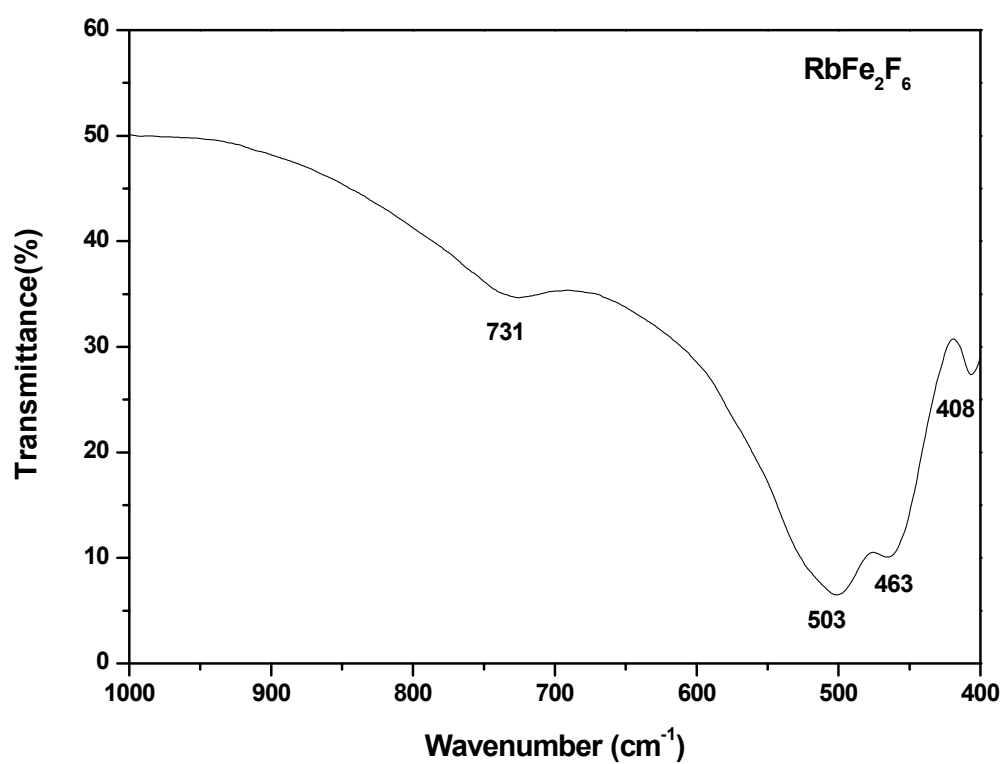
S1. Experimental and calculated powder X-ray diffraction patterns for RbFe_2F_6



S2. ORTEP (50% probability ellipsoids) diagrams for RbFe_2F_6

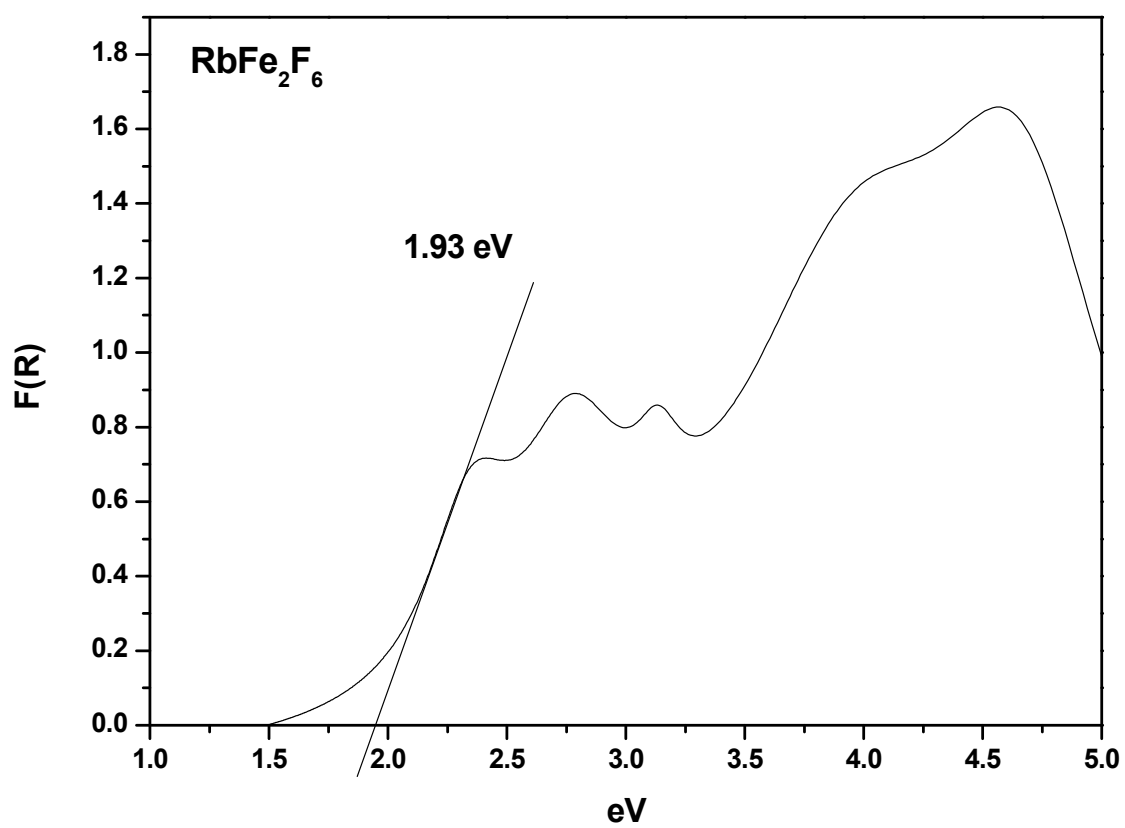


S3. IR spectrum for RbFe_2F_6

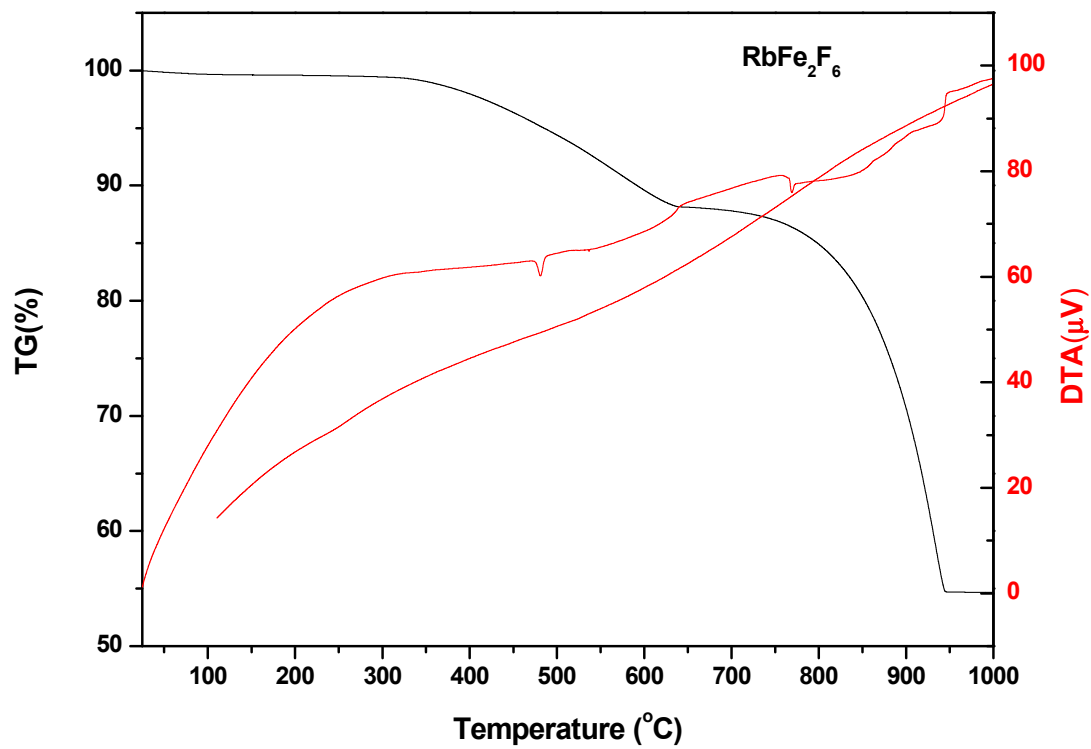


RbFe_2F_6	
$\nu(\text{Fe-F})$	$\nu(\text{Fe-F-Fe})$
731	408
	463
	503

S4. UV-Vis diffuse reflectance spectrum for RbFe_2F_6



S5. Thermogravimetric analysis and differential thermal analysis diagram for RbFe_2F_6



S6. Powder X-ray diffraction data for final residuals after TGA Experiment.

