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## **【140】 A Novel Kagomé-like $\text{Cu}_2\text{OSO}_4$ Crystal**

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Materials with antiferromagnetic interactions between spins on a triangle lattice inherently exhibit large frustration between similar energy ground states giving rise to new behavior. The kagomé lattice is an enticing example; however, various effects hinder its highly degenerate spin-liquid state and instead select a single magnetic ground state. It is therefore worthwhile to study nearly-kagomé compounds in an attempt to discern what precisely stops formation of the spin-liquid. Since it has strong antiferromagnetic interactions on a diamond-kagomé lattice we studied the magnetic excitation spectra of  $\text{Cu}_2\text{OSO}_4$  in order to help elucidate the mechanisms by which spin-liquid formation fails.

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