

Abstract Submitted  
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**NMR Spectra in 2D Anisotropic Triangle Lattice**<sup>1</sup> ADAM FREES,  
VESNA MITROVIC, Brown University — The spin 1/2 Heisenberg antiferromagnet on the 2D anisotropic triangle lattice represents an important example of the frustrated quantum magnets. The materials  $\text{Cs}_2\text{CuCl}_4$  and  $\text{Cs}_2\text{CuBr}_4$  are relevant model systems of such a frustrated magnet. In these compounds magnetic fields can induce numerous exotic quantum states. The states are characterized by their spin texture, which can be measured by NMR. In this talk, we discuss how to model different spin arrangements, and compute the resulting NMR spectra.

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