



Publication notification

including metadata

(please try to fill in as much as possible, even if not complete)

QUAST

Publication:

Title: Neutron scattering and thermodynamic evidence for emergent photons and fractionalization in a pyrochlore spin

Journal Reference (URL or DOI): <https://doi.org/10.1038/s41567-025-02922-9>

arXiv Reference:

Contact for data requests:

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Academic position / Role in data storage: Professor

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Academic position / Role in data storage: PhD student

Type of data produced: (Please check the corresponding box)

- ☐ QUAST-funded authors were not directly involved in creating or storing data.
- ☐ Work is purely analytic. Figures are visualizations of analytic expressions given in the paper.
- ☐ For original data, please refer to the cited publications.
- ☐ All data and code shown in the paper are available in [provide link]
- ☐ Data is available on reasonable request [fill out the missing information below]
- ☒ Other [please provide an alternative description below]

Data taken with the support of QUAST is available at: <https://doi.org/10.48436/kjwds-rmm82>

Dataset 1: (Collection of data published/archived together)

Short description of data:

Experimental data corresponding to low-temperature heat capacity measurements.

Origin of data (institution):

TU Wien

(3rd party) Software used:

☐ additional information included as README with data

Data availability:

☒ published at (DOI)

<https://doi.org/10.48436/kjwds-rmm82>

☐ on reasonable request, to corresponding author. Data is archived:

☐ according to local policy at institution (as provided).

☐ other (Please provide details: location, accessible by, ...)

☐ data included in publication or as supplemental online material at the publishers website

Source availability: (own software or scripts, used to generate/process data)

☐ published at (link)

☐ archived/published with data

☐ archived according to local policy at institution (as provided)

☐ other (Please provide details: location, accessible by, ...)

Dataset 2: (Collection of data published/archived together)

Short description of data:

Origin of data (institution):

(3rd party) Software used:

☐ additional information included as README with data

Data availability:

☐ published at (DOI)

☐ on reasonable request, to corresponding author. Data is archived:

☐ according to local policy at institution (as provided).

☐ other (Please provide details: location, accessible by, ...)

☐ data included in publication or as supplemental online material at the publishers website

Source availability: (own software or scripts, used to generate/process data)

☐ published at (link)

☐ archived/published with data

☐ archived according to local policy at institution (as provided)

☐ other (Please provide details: location, accessible by, ...)