



FOUNDATIONS
ADVANCES

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Supporting information for article:

**Resonant and non-resonant magnetic scatterings with
circularly polarized X-rays: Magnetic scattering factor and
electron density of gadolinium iron garnet**

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Table S1Anisotropic temperature factors of Gd₃Fe₅O₁₂ garnet, determined using Mo K α radiation.

Site	β_{11}	β_{22}	β_{33}	β_{12}	β_{13}	β_{23}
Fe1	0.000494(5)	= β_{11}	= β_{11}	0.00001(1)	= β_{12}	= β_{12}
Fe2	0.00031(1)	0.00058(1)	= β_{22}	0	0	0
Gd	0.000170(5)	0.000351(3)	= β_{22}	0	0	0.000104(6)
O	0.00099(4)	0.00083(4)	0.00024(4)	0*	0*	0.00005(3)

* fixed.