ESI to the paper by Z. Mazej et al.

*K*Ag*F*₃, *K₂AgF*₄ and *K₃Ag₂F₇: Important Steps Towards a Layered Antiferromagnetic Fluoroargentate (II)

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1. Comparison of the measured and calculated XRDP of KAgF₃ (Rietveld method, 2-phase refinement, cf. main paper).
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3. Location of atoms in the unit cells of KAgF$_3$, K$_2$AgF$_4$ and K$_3$Ag$_2$F$_7$ on special positions.

**KAgF$_3$:**
- Ag$^+$ inversion center
- K$^+$ general position
- F$^-$ mirror plane
- F$^-$ mirror plane

**K$_2$AgF$_4$:**
- Ag$^+$ 2/m
- K$^+$ mirror plane
- F$^-$ mirror plane
- F$^-$ twofold axis

**K$_3$Ag$_2$F$_7$:**
- Ag$^+$ 2-fold axis
- F$^-$ at the intersection of three 2-fold axes
- F$^-$ 2-fold axis
- K$^+$ 2-fold axis
- F$^-$ general position
- K$^+$ at the intersection of three 2-fold axes

4. The measured (blue) and fitted (red) ESR signal of KAgF$_3$ (at 150 K).
The values of components of the g tensor derived for the 150–300 K temperature range do not indicate any crystallographic phase transition; no temperature draft at all is seen of the $g_\perp$ and $g_\parallel$ values.

5. The measured (blue) and fitted (green) ESR signal of $K_2AgF_4$ (at 150 K).

The values of components of the g tensor derived for the 110–300 K temperature range do not indicate any crystallographic phase transition; only a very small temperature draft is seen: $2.27 > g_\perp > 2.26$, $2.085 > g_\parallel > 2.07$. 

![Graph showing ESR signal for K2AgF4 at 150 K with measured (blue) and fitted (green) data.](image-url)