Symmetry Classification for Serial Crystallography Experiments Groups with white backgrounds are merohedral and hence data will appear 'twinned'.

Laue Class	Point Groups		Centrosymmetric Space Groups	Non-Centrosymmetric Space Groups
$\overline{1}$	1		$P\overline{1}$	P1
2/m	2 m	l	P2/m, P2 ₁ /m, C2/m, P2/c, P2 ₁ /c, C2/c	P2, P2 ₁ , C2, Pm, Pc, Cm, Cc
mmm	222 mn	ı2	Pmmm, Pnnn, Pccm, Pban, Pmma, Pnna, Pmna, Pcca, Pbam, Pccn, Pbcm, Pnnm, Pmmn, Pbcn, Pbca, Pnma, Cmcm, Cmce, Cmmm, Cccm, Cmme, Ccce, Fmmm, Fddd, Immm, Ibam, Ibca, Imma	P222, P222 ₁ , P2 ₁ 2 ₁ 2, P2 ₁ 2 ₁ 2 ₁ , C222 ₁ , C222, F222, I222, I2 ₁ 2 ₁ 2 ₁ 2 ₁ , Pmm2, Pmc2 ₁ , Pcc2, Pma2, Pca2 ₁ , Pnc2, Pmn2 ₁ , Pba2, Pna2 ₁ , Pnn2, Cmm2, Cmc2 ₁ , Ccc2, Amm2, Aem2, Ama2, Aea2, Fmm2, Fdd2, Imm2, Iba2, Ima2
4/m	$\overline{4}$		P4/m, P4 ₂ /m, P4/n, P4 ₂ /n, I4/m, I4 ₁ /a	P4, P4 ₁ , P4 ₂ , P4 ₃ , I4, I4 ₁ , P4, I4
4/mmm	422 42m 4	mm	P4/mmm, P4/mcc, P4/nbm, P4/nnc, P4/mbm, P4/mnc, P4/nmm, P4/ncc, P4 ₂ /mmc, P4 ₂ /mcm, P4 ₂ /nbc, P4 ₂ /nnm, P4 ₂ /nbc, P4 ₂ /mnm, P4 ₂ /nmm, P4 ₂ /ncm, I4/mmm, I4/mcm, I4 ₁ /amd, I4 ₁ /acd	P422, P42 ₁ 2, P4 ₁ 22, P4 ₁ 2 ₁ 2, P4 ₂ 22, P4 ₂ 2 ₁ 2, P4 ₃ 22, P4 ₃ 2 ₁ 2, I422, I4 ₁ 22, P42m, P42c, P42 ₁ m, P42 ₁ c, P4m2, P4c2, P4b2, P4n2, I4m2, I4c2, I42m, I42d, P4mm, P4bm, P4 ₂ cm, P4 ₂ nm, P4cc, P4nc, P4 ₂ mc, P4 ₂ bc, I4mm, I4cm, I4 ₁ md, I4 ₁ cd
3	3		P3, R3	P3, P3 ₁ , P3 ₂ , R3
3m	32 3n	n	P31m, P31c, P3m1, P3c1,R3m, R3c	P312, P321, P3 ₁ 12, P3 ₁ 21, P3 ₂ 12, P3 ₂ 21, R32, P3m1, P31m, P3c1, P31c, R3m, R3c
6/m	6 6		P6/m, P6 ₃ /m	P6, P6 ₁ , P6 ₅ , P6 ₂ , P6 ₄ , P6 ₃ , P 6
6/mmm	622 6 2m 6r	nm	P6/mmm, P6/mcc, P6 ₃ /mcm, P6 ₃ /mmc	P622, P6 ₁ 22, P6 ₅ 22, P6 ₂ 22, P6 ₄ 22, P6 ₃ 22, P6̄m2, P6̄c2, P6̄cm, P6̄2m, P6̄2c, P6mm, P6cc, P6 ₃ cm, P6 ₃ mc
$m\overline{3}$	23		Pm $\overline{3}$, Pn $\overline{3}$, Fm $\overline{3}$, Fd $\overline{3}$, Im $\overline{3}$, Pa $\overline{3}$, Ia $\overline{3}$	P23, F23, I23, P2 ₁ 3, I2 ₁ 3
m3m	432 43	2	Pm3m, Pn3n, Pm3n, Pn3m, Fm3m, Fm3c, Fd3m, Fd3c, Im3m, Ia3d	P432, P4 ₂ 32, F432, F4 ₁ 32, I432, P4 ₃ 32, P4 ₁ 32, I4 ₁ 32, P4 P43m, F43m, I43m, P43n, F43c, I43d

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