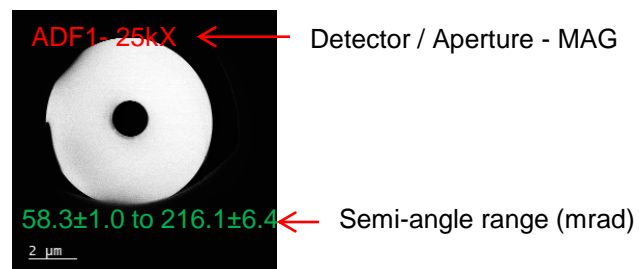


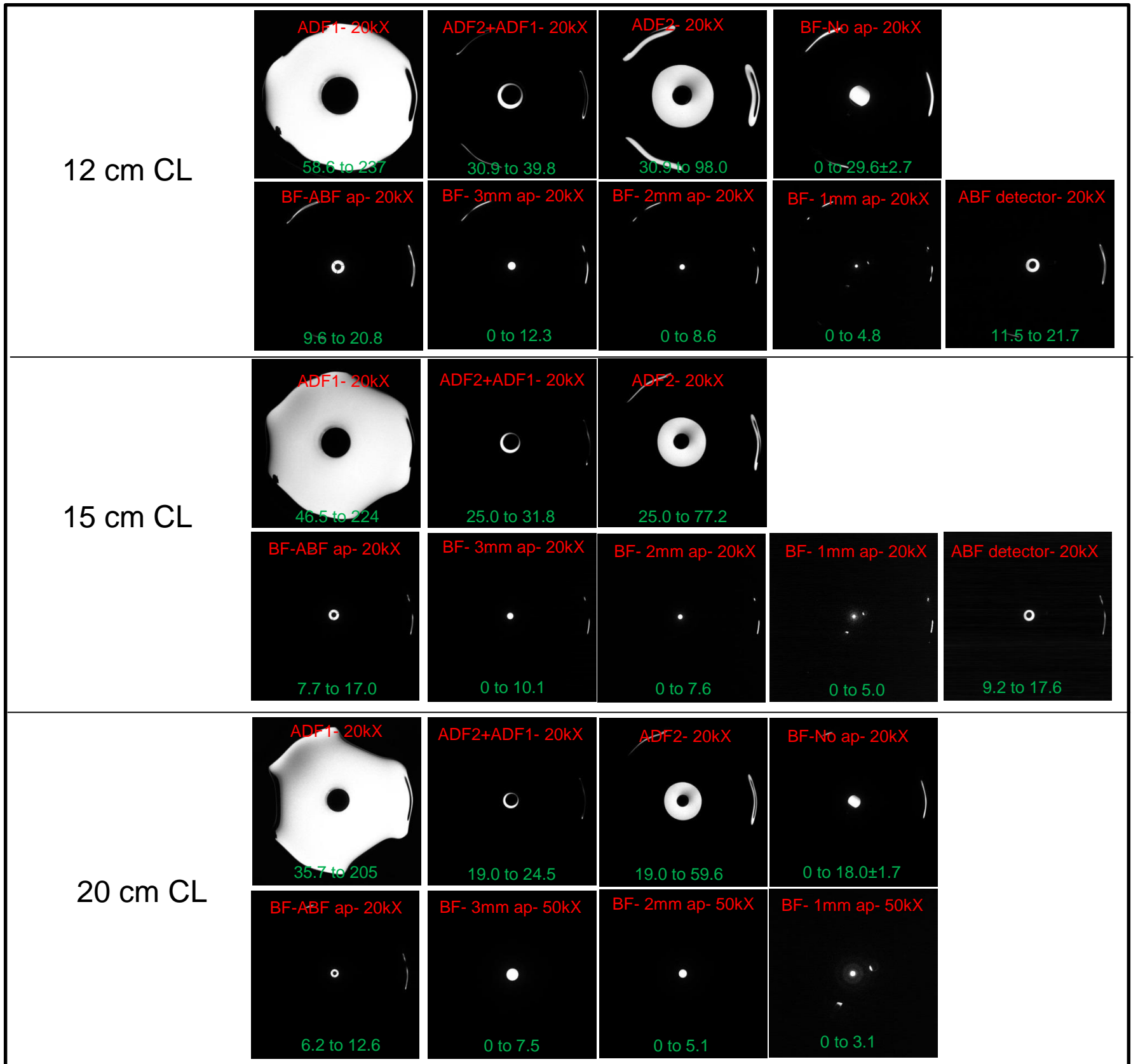
GrandARM STEM Detectors collection semi-angles 200 kV



6 cm CL	ADF1- 20kX 111 to 235	ADF2+ADF1- 20kX 56.2 to 73.1	ADF2- 20kX 56.2 to 201	BF-No ap- 20kX 0 to 54±4.8	
	BF-ABF ap- 20kX 18.7 to 37.4	BF- 3mm ap- 20kX 0 to 22.2	BF- 2mm ap- 20kX 0 to 15.4	BF- 1mm ap- 20kX 0 to 7.9	ABF detector- 20kX 21.4 to 38.8
9 cm CL	ADF1- 20kX 79 to 239	ADF2+ADF1- 20kX 40.9 to 52.2	ADF2- 20kX 40.9 to 136	BF-No ap- 20kX 0 to 39.3±3.6	
	BF-ABF ap- 20kX 13.4 to 27.1	BF-3 mm ap- 20kX 0 to 16.2	BF- 2mm ap- 20kX 0 to 11.0	BF- 1mm ap- 20kX 0 to 5.7	ABF detector- 20kX 14.9 to 28.4
10 cm CL	ADF1- 20kX 71.3 to 240	ADF2+ADF1- 20kX 36.9 to 47.5	ADF2- 20kX 36.9 to 121	BF-No ap- 20kX 0 to 35.6±3.2	
	BF-ABF ap- 20kX 12.1 to 24.4	BF-3 mm ap- 20kX 0 to 14.6	BF- 2mm ap- 20kX 0 to 9.8	BF- 1mm ap- 20kX 0 to 5.3	ABF detector- 20kX 13.9 to 25.6
11 cm CL	ADF1- 20kX 63.1 to 233	ADF2+ADF1- 20kX 33.6 to 43.0	ADF2- 20kX 33.6 to 107	BF-No ap- 20kX 0 to 32.0±2.8	
	BF-ABF ap- 20kX 10.8 to 22.2	BF-3 mm ap- 20kX 0 to 13.6	BF- 2mm ap- 20kX 0 to 9.4	BF- 1mm ap- 20kX 0 to 5.2	ABF detector- 20kX 12.7 to 23.2

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STEM Detectors collection semi-angles – 200 kV



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STEM Convergence semi-angles – 200 kV

