

Table 9: Simulations of the entire Sr EXAFS from the S₁, S₂, S₃, and S₀ states.

Fit	Sample	Shell	$R, \text{\AA}$	N (with $S_0^2 = 1.0$)	$\sigma^2 (\times 10^3), \text{\AA}^2$	ΔE_0	$\Phi (\times 10^3)$	$\epsilon^2 (\times 10^5)$
1	S ₁	Sr-O	2.55	7.1	7.0	-4	0.34	0.15
		Sr-Mn	3.51	3.0				
		Sr-Mn	3.98	1.7				
2	S ₂	Sr-O	2.55	6.5	6.8	-5	0.33	0.15
		Sr-Mn	3.49	1.8				
		Sr-Mn	3.94	2.0				
3	S ₃	Sr-O	2.54	6.9	7.8	-8	0.34	0.15
		Sr-Mn	3.42	1.6				
		Sr-Mn	3.93	2.0				
4	S ₀	Sr-O	2.53	6.4	6.3	-3	0.40	0.19
		Sr-Mn	3.46	2.0				
		Sr-Mn	3.95	1.9				