

TABLE 5 Results of experimental IV fitting and iron contamination testing

Sample	$N_{\text{Fe,MEAS}}, 10^{12} \text{ cm}^{-3}$	$T, \text{ K}$	$n_{\text{Fe-FeB}}$	$R_{sh,\text{Fe-FeB}}, \text{ Ohm}$	n_{Fe}	$R_{sh,\text{Fe}}, \text{ Ohm}$	$N_{\text{Fe,PRED}}, 10^{12} \text{ cm}^{-3}$			
							$\text{DNN}_{\text{FeFeB}}$		$\text{DNN}_{\text{FeFeB-Fe}}$	
							training	full	training	full
SC320	2.0 ± 0.4	300	1.214	$1.6 \cdot 10^6$	1.195	$1.4 \cdot 10^6$	3.9	2.8	3.0	2.0
		320	1.204	$8.6 \cdot 10^5$	1.148	$8.0 \cdot 10^5$	6.6	1.9	16	19
		340	1.118	$4.3 \cdot 10^5$	1.111	$4.3 \cdot 10^5$	3.8	1.2	89	574
SC349	6.7 ± 0.7	300	1.223	$2.9 \cdot 10^6$	1.222	$2.6 \cdot 10^6$	8.9	5.6	15	11
		320	1.183	$1.7 \cdot 10^6$	1.182	$1.7 \cdot 10^6$	1.2	0.4	10	32
		340	1.138	$1.3 \cdot 10^6$	1.173	$1.3 \cdot 10^6$	9.8	1.7	26	411