Student Growth Percentile Goodness–of–Fit Descriptives
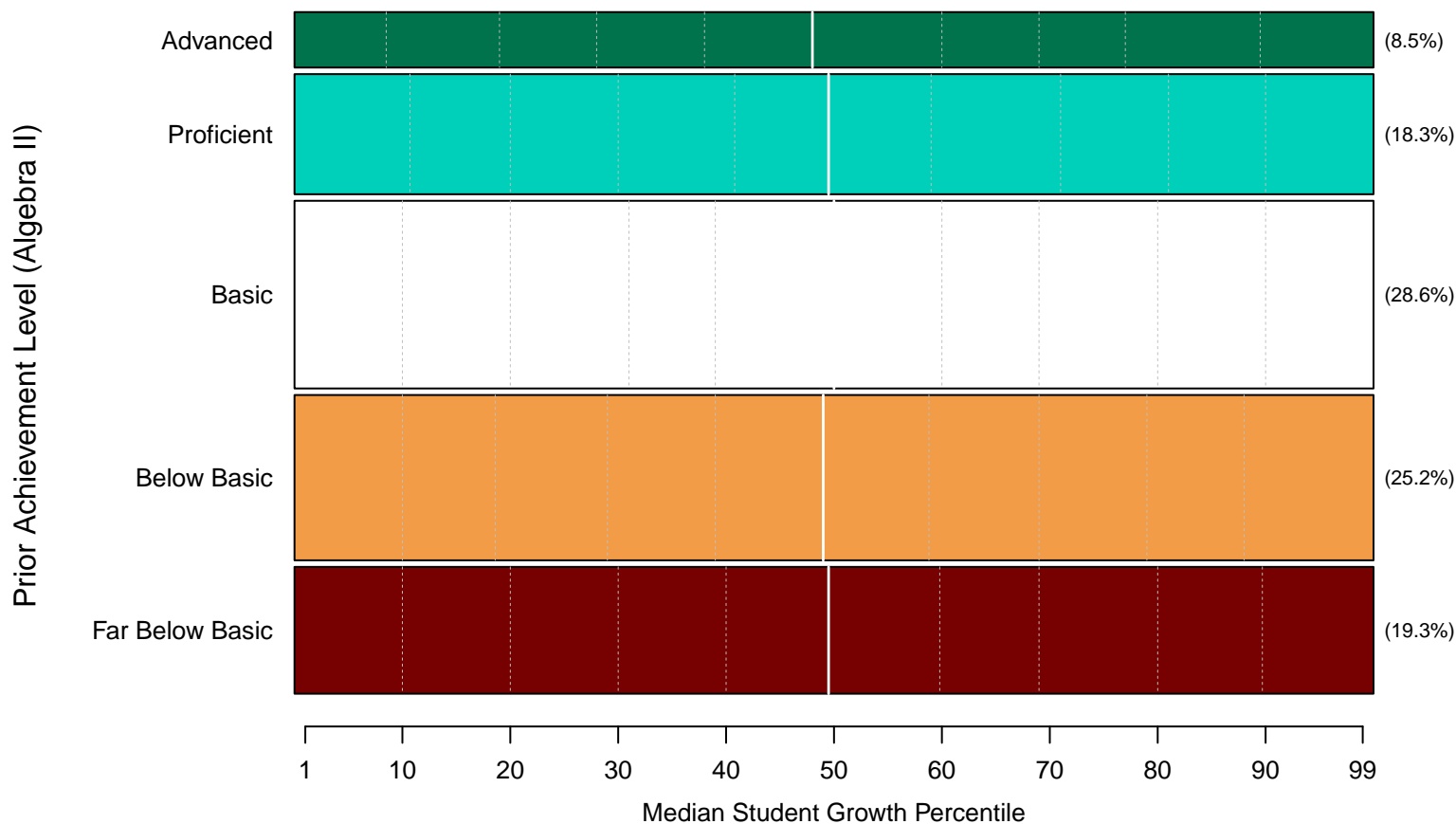## 2011 Physics SGP, Grade EOCT (N = 2,553)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Level	Percentage
Advanced	(8.5%)
Proficient	(18.3%)
Basic	(28.6%)
Below Basic	(25.2%)
Far Below Basic	(19.3%)

Median Student Growth Percentile

Student Growth Percentile Range

Prior Scale Score Decile/Range *	1 to 9	10 to 19	20 to 29	30 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 to 89	90 to 99	
1st/[184,238)	9.30	9.77	9.30	10.70	11.16	8.37	11.63	8.84	12.09	8.84	(8.4%)
2nd/[238,259)	10.39	8.96	11.47	8.60	10.39	11.11	10.75	8.60	8.60	11.11	(10.9%)
3rd/[259,274)	10.14	11.06	9.68	11.98	6.91	8.29	9.68	11.06	11.06	10.14	(8.5%)
4th/[274,293)	8.31	10.30	10.30	6.98	11.30	13.29	10.63	9.63	11.30	7.97	(11.8%)
5th/[293,307)	11.94	11.94	9.45	10.45	11.44	8.46	7.96	9.95	7.46	10.95	(7.9%)
6th/[307,325)	9.15	10.56	9.15	12.32	10.21	7.39	8.45	9.51	11.27	11.97	(11.1%)
7th/[325,343)	9.84	7.48	10.24	9.06	7.87	10.24	16.54	8.66	10.63	9.45	(9.9%)
8th/[343,368)	7.61	11.76	11.07	10.73	9.69	11.42	8.65	10.38	8.65	10.03	(11.3%)
9th/[368,402)	8.19	9.91	8.62	9.05	13.36	9.48	9.48	10.34	9.48	12.07	(9.1%)
10th/[402,600]	12.46	10.68	10.68	9.25	8.54	10.32	8.90	11.39	8.90	8.90	(11%)

*Prior score deciles can be uneven depending upon the prior score distribution

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution