Student Growth Percentile Goodness–of–Fit Descriptives
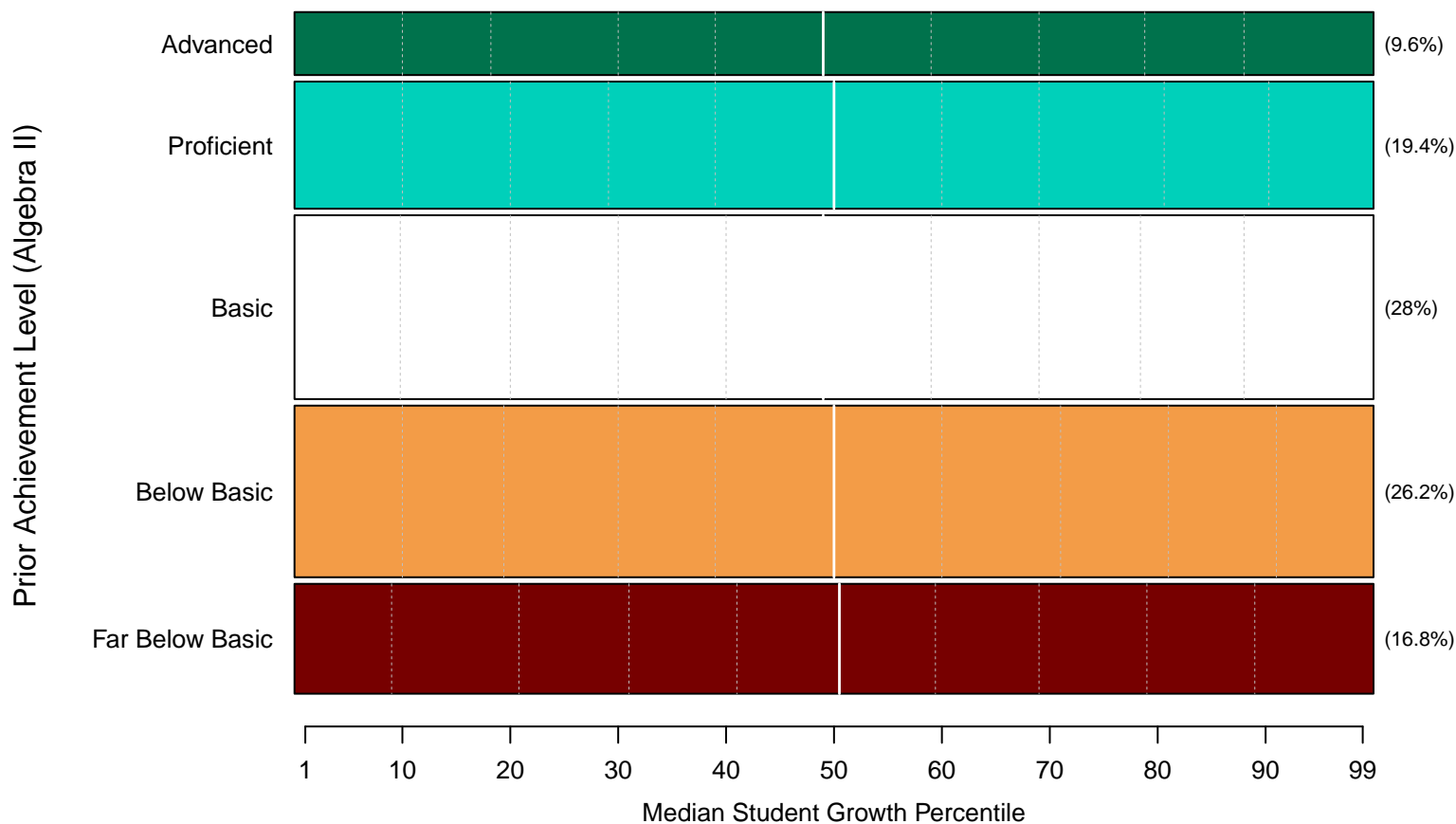## 2012 Physics SGP, Grade EOCT (N = 2,207)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Algebra II)

Advanced	(9.6%)
Proficient	(19.4%)
Basic	(28%)
Below Basic	(26.2%)
Far Below Basic	(16.8%)

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/[175,243)	9.89	12.64	11.54	9.34	9.89	8.24	9.34	9.89	10.99	8.24	(8.2%)
2nd/[243,264)	10.59	6.27	9.80	9.02	10.20	12.16	10.98	9.80	9.80	11.37	(11.6%)
3rd/[264,278)	10.15	11.68	11.17	8.63	11.68	8.63	8.63	10.66	10.66	8.12	(8.9%)
4th/[278,292)	8.63	11.17	9.14	11.68	10.15	10.15	9.64	9.64	10.15	9.64	(8.9%)
5th/[292,310)	10.08	9.24	8.82	10.92	7.98	10.50	11.76	8.40	8.82	13.45	(10.8%)
6th/[310,329)	10.48	10.92	10.48	9.61	10.92	11.35	8.73	10.04	8.73	8.73	(10.4%)
7th/[329,348)	9.57	8.13	9.57	8.61	10.05	8.13	10.05	12.44	12.44	11.00	(9.5%)
8th/[348,373)	10.55	10.13	10.55	11.81	9.28	9.28	10.13	10.97	8.86	8.44	(10.7%)
9th/[373,409)	8.26	9.13	11.30	8.70	10.00	11.30	11.30	8.70	9.13	12.17	(10.4%)
10th/[409,599]	10.30	11.16	8.58	10.73	10.30	9.87	9.44	9.87	10.30	9.44	(10.6%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution