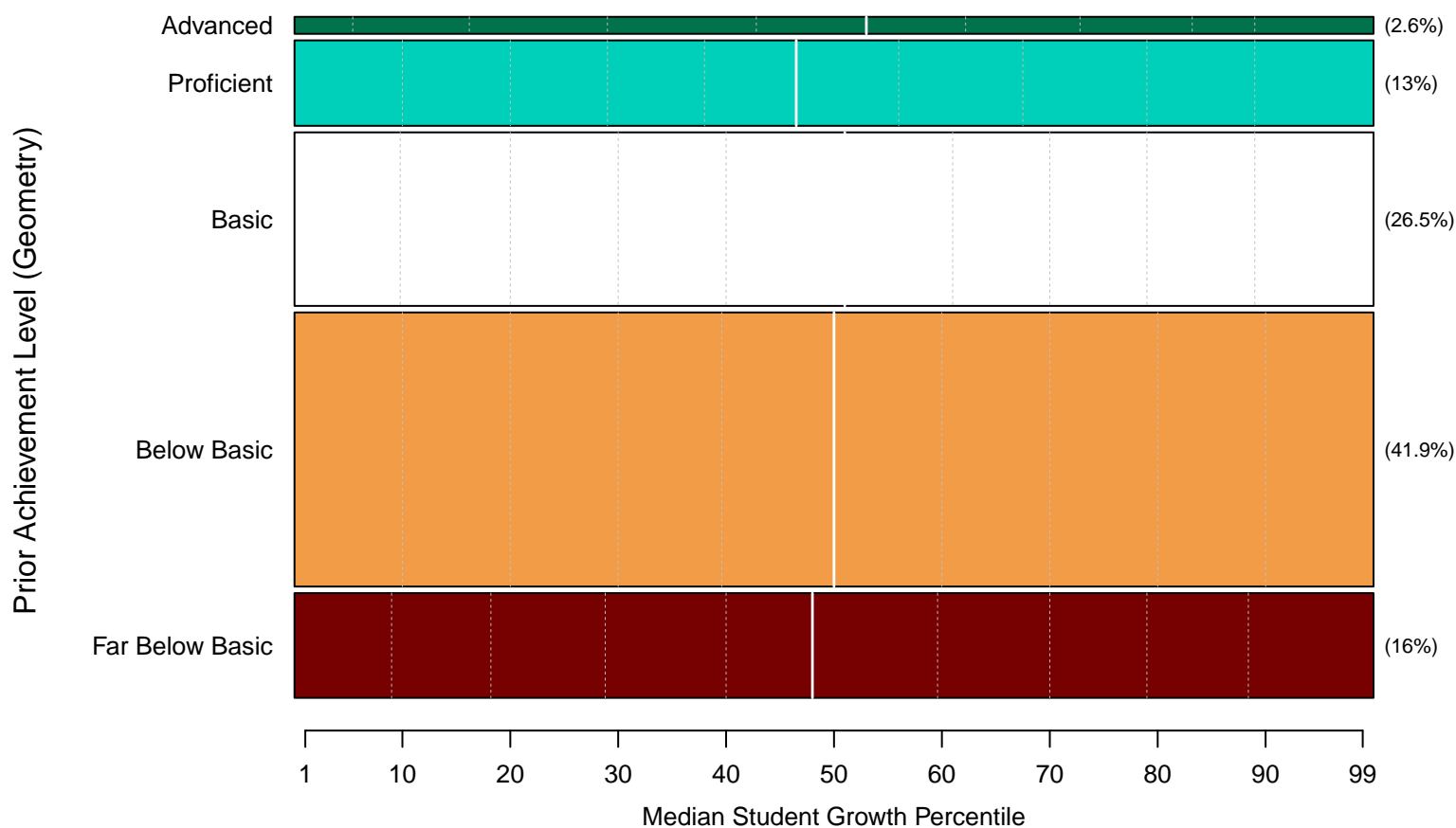# Student Growth Percentile Goodness–of–Fit Descriptives
2013 Physics SGP, Grade EOCT (N = 1,732)

SGP Deciles by Prior Achievement Level

Prior Achievement Level (Geometry)

- Advanced (2.6%)
- Proficient (13%)
- Basic (26.5%)
- Below Basic (41.9%)
- Far Below Basic (16%)

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/[183,238)	10.06	8.88	11.24	11.24	11.83	6.51	8.88	10.06	11.24	10.06	(9.8%)
2nd/[238,253)	10.73	11.30	9.60	8.47	9.04	11.30	11.30	10.73	7.91	9.60	(10.2%)
3rd/[253,262)	8.59	10.94	7.81	10.94	9.38	10.94	10.16	10.16	10.94	10.16	(7.4%)
4th/[262,275)	11.68	9.14	12.18	7.11	10.15	9.64	11.17	10.66	9.64	8.63	(11.4%)
5th/[275,287)	8.97	8.97	8.33	12.82	10.90	8.97	9.62	7.05	10.26	14.10	(9%)
6th/[287,300)	9.14	10.86	9.71	10.29	10.86	10.29	8.00	10.29	10.86	9.71	(10.1%)
7th/[300,316)	10.00	10.00	11.05	11.05	10.00	11.05	8.42	11.05	9.47	7.89	(11%)
8th/[316,337)	9.95	8.90	10.99	7.85	9.42	8.38	13.09	9.95	9.42	12.04	(11%)
9th/[337,365)	10.98	9.15	6.10	10.37	10.37	12.20	10.37	9.76	10.37	10.37	(9.5%)
10th/[365,600)	10.27	10.27	11.89	10.27	9.73	9.19	8.11	10.81	11.89	7.57	(10.7%)

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

QQ–Plot: Student Growth Percentiles

Theoretical SGP Distribution

Empirical SGP Distribution