



Beam 1 of 10:	incident angle $\theta_1 = 8.000000$ ,	out angle $\theta_4 = 42.845169$
Beam 2 of 10:	incident angle $\theta_1 = 13.000000$ ,	out angle $\theta_4 = 39.589755$
Beam 3 of 10:	incident angle $\theta_1 = 18.000000$ ,	out angle $\theta_4 = 36.367413$
Beam 4 of 10:	incident angle $\theta_1 = 23.000000$ ,	out angle $\theta_4 = 33.194555$
Beam 5 of 10:	incident angle $\theta_1 = 28.000000$ ,	out angle $\theta_4 = 30.088615$
Beam 6 of 10:	incident angle $\theta_1 = 33.000000$ ,	out angle $\theta_4 = 27.068422$
Beam 7 of 10:	incident angle $\theta_1 = 38.000000$ ,	out angle $\theta_4 = 24.154549$
Beam 8 of 10:	incident angle $\theta_1 = 43.000000$ ,	out angle $\theta_4 = 21.369624$
Beam 9 of 10:	incident angle $\theta_1 = 48.000000$ ,	out angle $\theta_4 = 18.738556$
Beam 10 of 10:	incident angle $\theta_1 = 53.000000$ ,	out angle $\theta_4 = 16.288623$