

Sum squared residuals

- All velocities,  $\sigma_{\text{opt}} = 7.5$  km/s
- Core only,  $\sigma_{\text{opt}} = 7.9$  km/s
- Wings only,  $\sigma_{\text{opt}} = 5.8$  km/s

1.4  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0.0

Extra broadening,  $\sigma$ , km/s

0

2

4

6

8

10

12

14

16

