	Beam energy spread in MeV		
	Guy W.	Sigma_E from Z vertex	Sigma_E_inc. (incoherent Qs) $K = 0.044 \pm 0.022$
1996			
Z0		**35.1**	$\mathbf{37.6}_{-1.3}^{+1.4}$
161.3	**102**	**100.5**	$\mathbf{109.5}_{-4.7}^{+5.3}$
164.5	**106**	**93.3**	$\mathbf{100.7}_{-3.8}^{+4.2}$
170.3	**115**	**121.0**	$\mathbf{129.2}_{-4.3}^{+4.5}$
172.3	**117**	**107.4**	$\mathbf{114.5}_{-3.7}^{+4.0}$
1997			
Z0		**34.9**	$\mathbf{37.2}_{-0.9}^{+1.3}$
130.0	**66**	**66.0**	$\mathbf{73.2}_{-3.8}^{+4.3}$
136.0	**74**	**75.6**	$\mathbf{82.8}_{-3.8}^{+4.2}$
180.8	**141**	**102.9**	$\mathbf{109.9}_{-3.6}^{+3.9}$
182.0	**164**	**140.9**	$\mathbf{149.4}_{-3.5}^{+5.8}$
182.7	**154**	**148.2**	$\mathbf{160.1}_{-6.2}^{+6.7}$
183.8	**145**	**119.7**	$\mathbf{128.9}_{-4.8}^{+5.2}$

	Beam energy spread in MeV		
	Guy W.	Sigma_E from Z vertex	Sigma_E_inc. (incoherent Qs) $K = 0.044 * 45.6 / E_{beam} \pm 0.022$
1996			
Z0		**35.1**	**$37.6^{+1.4}_{-1.3}$**
161.3	**102**	**100.5**	**$105.4^{+5.8}_{-4.3}$**
164.5	**106**	**93.3**	**$97.1^{+3.8}_{-3.6}$**
170.3	**115**	**121.0**	**$125.2^{+4.3}_{-4.0}$**
172.3	**117**	**107.4**	**$111.1^{+3.7}_{-3.5}$**
1997			
Z0		**34.9**	**$37.2^{+1.3}_{-0.9}$**
130.0	**66**	**66.0**	**$70.9^{+4.0}_{-3.6}$**
136.0	**74**	**75.6**	**$80.3^{+4.0}_{-3.6}$**
180.8	**141**	**102.9**	**$106.3^{+3.6}_{-3.4}$**
182.0	**164**	**140.9**	**$145.9^{+3.6}_{-5.0}$**
182.7	**154**	**148.2**	**$153.9^{+6.2}_{-5.7}$**
183.8	**145**	**119.7**	**$124.1^{+4.8}_{-4.4}$**

	Fraction of "good" events	Number of good events	Relative precision on sigma_E due to sigma_Z (%)
1996			
Z0	**82.8**	**29133**	**0.4**
161.3	**94.3**	**5578**	**0.9**
164.5	**100.0**	**20.**	**37.2**
170.3	**98.2**	**538.**	**3.5**
172.3	**94.4**	**4792**	**1.0**
1997			
Z0	**88.9**	**57263**	**0.3**
130.0	**100.0**	**2143**	**1.5**
136.0	**93.2**	**1917**	**1.6**
180.8	**100.0**	**51**	**13.1**
182.0	**39.2**	**473**	**3.3**
182.7	**57.7**	**8999**	**4.3**
183.8	**86.7**	**491**	**3.5**

	Prediction in MeV	sigma E (kappa=0) in MeV	relative error from sigma_z in %	Error from sigma_z in MeV	1% error on alphac in MeV
1996					
Z0		35.1	0.4	0.1	0.4
161.3	102	100.5	0.9	0.9	1.0
164.5	106	93.3	37.2	34.7	0.9
170.3	115	121	3.5	4.2	1.2
172.3	117	107.4	1	1.1	1.1
1997					
Z0		34.9	0.3	0.1	0.3
130	66	66	1.5	1.0	0.7
136	74	75.6	1.6	1.2	0.8
180.8	141	102.9	13.1	13.5	1.0
182	164	140.9	3.3	4.6	1.4
182.7	154	148.2	4.3	6.4	1.5
183.8	145	119.7	3.5	4.2	1.2

$0.5*(Q_S^{+}+Q_s^{-})$		
	<>	RMS
1996		
Z0	**0.863E-01**	**0.210E-01**
161.3	**0.992E-01**	**0.332E-02**
164.5	**0.107**	**0.129E-04**
170.3	**0.104**	**0.169E-02**
172.3	**0.987E-01**	**0.582E-02**
1997		
Z0	**0.680E-01**	**0.358E-02**
130.0	**0.839E-01**	**0.160E-02**
136.0	**0.855E-01**	**0.218E-02**
180.8	**0.108**	**0.257E-02**
182.0	**0.109**	**0.334E-02**
182.7	**0.114**	**0.319E-02**
183.8	**0.101**	**0.485E-02**