

## 1 Nominal correlations.

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A183 15.57 ± 0.68	25.58	-0.58	-0.36	-0.42	-0.40	-0.50	-0.47	-0.40	0.62	0	0.09	0.09	0.26
D183 15.86 ± 0.74	22.26	0.04	0.29	0.16	0.09	0.09	0.19	0.06	0.69	0	0.09	0.07	0.23
L183 16.53 ± 0.72	23.49	0.30	0.50	0.46	0.56	0.67	0.60	0.57	0.67	0	0.08	0.14	0.20
O183 15.43 ± 0.66	28.68	0.25	-0.42	-0.20	-0.25	-0.27	-0.31	-0.24	0.61	0	0.14	0	0.22
BLUE <sub>183</sub> 15.79 ± 0.36	100.00	0	0	0	0	0	0	0	0.32	0	0.10	0.04	0.11

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A189 15.71 ± 0.38	-0.86	26.72	1.11	0.98	0.95	0.80	0.80	0.94	0.34	0	0.05	0.09	0.15
D189 15.83 ± 0.43	-1.39	21.33	-0.65	-0.93	-1.07	-1.18	-0.79	-1.06	0.38	0	0.07	0.05	0.18
L189 16.24 ± 0.43	0.16	22.12	-0.69	-0.80	-0.43	-0.18	-0.30	-0.36	0.37	0	0.04	0.08	0.20
O189 16.30 ± 0.38	2.09	29.83	0.23	0.76	0.55	0.56	0.30	0.48	0.34	0	0.07	0	0.17
BLUE <sub>189</sub> 16.00 ± 0.21	0	100.00	0	0	0	0	0	0	0.18	0	0.05	0.03	0.08

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A192 17.23 ± 0.91	0.47	0.45	27.07	0.77	0.75	0.75	0.73	0.74	0.89	0	0.05	0.09	0.15
D192 16.90 ± 1.02	0.18	0.12	21.25	0.26	0.22	0.22	0.27	0.22	1.00	0	0.07	0.06	0.20
L192 16.39 ± 0.93	0.14	-0.01	25.85	0.09	0.17	0.21	0.21	0.19	0.90	0	0.08	0.08	0.21
O192 16.60 ± 0.97	-0.79	-0.56	25.83	-1.11	-1.14	-1.18	-1.21	-1.14	0.88	0	0.12	0	0.40
BLUE <sub>192</sub> 16.72 ± 0.48	0	0	100.00	0	0	0	0	0	0.46	0	0.07	0.04	0.10

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A196 17.00 ± 0.57	1.17	1.15	2.03	29.30	1.87	1.86	1.80	1.83	0.54	0	0.05	0.09	0.15
D196 17.86 ± 0.63	0.43	0.28	0.80	23.94	0.52	0.52	0.65	0.51	0.59	0	0.07	0.06	0.20
L196 16.67 ± 0.60	0.29	-0.10	0.22	26.61	0.31	0.42	0.40	0.37	0.55	0	0.08	0.08	0.21
O196 18.59 ± 0.74	-1.89	-1.33	-3.06	20.15	-2.70	-2.79	-2.86	-2.71	0.60	0	0.12	0	0.41
BLUE <sub>196</sub> 17.43 ± 0.32	0	0	0	100.00	0	0	0	0	0.29	0	0.07	0.04	0.10

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A200 16.98 ± 0.56	0.98	1.03	1.92	1.79	28.27	1.74	1.70	1.73	0.53	0	0.05	0.09	0.15
D200 17.35 ± 0.60	0.26	0.17	0.72	0.51	24.56	0.41	0.57	0.41	0.56	0	0.07	0.06	0.20
L200 16.94 ± 0.62	0.07	-0.23	0.04	-0.06	23.20	0.23	0.23	0.19	0.57	0	0.08	0.08	0.21
O200 16.32 ± 0.66	-1.32	-0.98	-2.67	-2.23	23.96	-2.38	-2.49	-2.34	0.54	0	0.10	0	0.37
BLUE <sub>200</sub> 16.84 ± 0.31	0	0	0	0	100.00	0	0	0	0.28	0	0.07	0.04	0.10

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A202 16.16 ± 0.76	0.67	0.63	1.12	1.05	1.04	30.03	1.00	1.02	0.74	0	0.05	0.09	0.15
D202 17.67 ± 0.84	0.06	0.04	0.29	0.19	0.15	24.54	0.23	0.15	0.81	0	0.08	0.07	0.21
L202 16.95 ± 0.88	0.15	-0.03	0.11	0.07	0.15	22.28	0.20	0.18	0.85	0	0.08	0.08	0.21
O202 18.48 ± 0.91	-0.88	-0.64	-1.53	-1.31	-1.34	23.16	-1.43	-1.35	0.81	0	0.12	0	0.40
BLUE <sub>202</sub> 17.23 ± 0.42	0	0	0	0	0	100.00	0	0	0.40	0	0.07	0.04	0.10

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.



Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A205 16.57 ± 0.55	0.93	1.01	1.94	1.80	1.77	1.76	29.66	1.75	0.52	0	0.05	0.09	0.15
D205 17.44 ± 0.64	0.35	0.19	0.72	0.52	0.44	0.44	22.00	0.43	0.60	0	0.06	0.05	0.20
L205 17.35 ± 0.64	~ 0	-0.26	~ 0	-0.10	0.08	0.17	22.07	0.15	0.59	0	0.08	0.08	0.21
O205 15.97 ± 0.64	-1.28	-0.95	-2.67	-2.22	-2.30	-2.37	26.27	-2.33	0.52	0	0.10	0	0.36
BLUE <sub>205</sub> 16.71 ± 0.31	0	0	0	0	0	0	100.00	0	0.28	0	0.06	0.03	0.10

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A207 17.32 ± 0.45	1.35	1.54	2.95	2.73	2.70	2.66	2.61	29.14	0.41	0	0.05	0.09	0.15
D207 16.50 ± 0.48	0.86	0.54	1.54	1.19	1.03	1.04	1.28	25.87	0.43	0	0.06	0.05	0.20
L207 17.96 ± 0.51	-0.11	-0.49	-0.11	-0.27	0.05	0.20	0.21	22.40	0.45	0	0.08	0.08	0.21
O207 17.77 ± 0.57	-2.10	-1.59	-4.38	-3.65	-3.78	-3.90	-4.10	22.58	0.42	0	0.09	0	0.37
BLUE <sub>207</sub> 17.33 ± 0.25	0	0	0	0	0	0	0	100.00	0.22	0	0.06	0.03	0.10

Table 1: BLUE's of the combination ( $\chi^2/\text{ndof} = 27.42/24$ ). Values /1k are displayed. For each input measurement  $i$ , the central value weight CVW or  $\lambda_i^\alpha$  with which that measurement contributes to the BLUE for observable  $\alpha$  is listed.

	183	189	192	196	200	202	205	207
183	1.00	0.20	0.11	0.17	0.17	0.13	0.17	0.20
189	0.20	1.00	0.13	0.20	0.20	0.15	0.20	0.24
192	0.11	0.13	1.00	0.12	0.12	0.09	0.12	0.14
196	0.17	0.20	0.12	1.00	0.18	0.13	0.17	0.21
200	0.17	0.20	0.12	0.18	1.00	0.13	0.17	0.21
202	0.13	0.15	0.09	0.13	0.13	1.00	0.13	0.16
205	0.17	0.20	0.12	0.17	0.17	0.13	1.00	0.21
207	0.20	0.24	0.14	0.21	0.21	0.16	0.21	1.00

Table 2: Correlations between the BLUE's.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.47	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
A189	0.04	0.15	0.02	0.02	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A192	0.04	0.02	0.82	0.02	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A196	0.04	0.02	0.02	0.32	0.02	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A200	0.04	0.02	0.02	0.02	0.31	0.02	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A202	0.04	0.02	0.02	0.02	0.02	0.58	0.02	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A205	0.04	0.02	0.02	0.02	0.02	0.02	0.30	0.02	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
A207	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.20	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0
D183	0.01	~0	~0	~0	~0	~0	~0	~0	0.54	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D189	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.18	0.04	0.04	0.04	0.04	0.04	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D192	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	1.05	0.04	0.04	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D196	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.40	0.04	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D200	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.04	0.36	0.05	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D202	0.01	~0	~0	~0	~0	~0	~0	~0	0.06	0.04	0.05	0.05	0.05	0.71	0.05	0.04	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D205	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.05	0.05	0.05	0.05	0.41	0.04	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D207	0.01	~0	~0	~0	~0	~0	~0	~0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.23	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
L183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.52	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.04	0.19	0.05	0.05	0.05	0.05	0.05	0.05	0.01	~0	0.01	0.01	~0	0.01	~0	~0
L192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.87	0.05	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.36	0.05	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.38	0.05	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.78	0.05	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.05	0.41	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.26	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O183	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.44	0.05	0.10	0.11	0.09	0.10	0.09	0.09
O189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.05	0.15	0.08	0.08	0.07	0.08	0.07	0.07
O192	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.08	0.95	0.18	0.16	0.18	0.16	0.16
O196	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.08	0.18	0.54	0.16	0.18	0.16	0.16
O200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.44	0.16	0.14	0.14
O202	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.08	0.18	0.18	0.16	0.83	0.16	0.16
O205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.14	0.16	0.41	0.14
O207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.07	0.16	0.16	0.14	0.16	0.14	0.32

Table 3: Full input covariance between measurements (summed over error sources). Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.81	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.72	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18

Table 4: Partial input covariance between measurements. Error source #0: Stat. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 5: Partial input covariance between measurements. Error source #1: LCEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207	
A183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
A189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A192	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A196	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A200	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A202	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A205	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
A207	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
D183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
D189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
D202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
D207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L183	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L189	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	~0	0.01	~0	0.01	0.01	~0	0.01	~0	~0	
L192	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L196	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L202	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
L207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
O183	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.02	0.02	0.01	0.02	0.01	0.01	
O189	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	~0	~0	~0	~0	0.01	~0	~0	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01
O192	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
O196	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
O200	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
O202	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
O205	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
O207	0.01	~0	~0	~0	~0	~0	~0	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	~0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	

Table 6: Partial input covariance between measurements. Error source #2: LCEC. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 7: Partial input covariance between measurements. Error source #3: LUEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.07	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A189	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A192	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A196	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A200	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A202	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A205	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
A207	0.04	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D183	0	0	0	0	0	0	0	0	0.06	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D189	0	0	0	0	0	0	0	0	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D192	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D196	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D200	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D202	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D205	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D207	0	0	0	0	0	0	0	0	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0	0	0	0	0	0	0	
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.04	0.09	0.09	0.08	0.09	0.08	0.08
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.03	0.07	0.07	0.06	0.07	0.06	0.06
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.16	0.17	0.15	0.16	0.14	0.15
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.17	0.17	0.15	0.17	0.15	0.15
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.15	0.15	0.13	0.15	0.13	0.14
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0.16	0.17	0.15	0.16	0.14	0.15
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.14	0.15	0.13	0.14	0.13	0.13
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.06	0.15	0.15	0.14	0.15	0.13	0.14

Table 8: Partial input covariance between measurements. Error source #4: LUEC. Values /1M are displayed.



## 2 Modified correlations.

### 2.1 Zero correlations.

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A183 15.57 ± 0.68	26.14	0	0	0	0	0	0	0	0.62	0	0.09	0.09	0.26
D183 15.86 ± 0.74	22.48	0	0	0	0	0	0	0	0.69	0	0.09	0.07	0.23
L183 16.53 ± 0.72	23.63	0	0	0	0	0	0	0	0.67	0	0.08	0.14	0.20
O183 15.43 ± 0.66	27.75	0	0	0	0	0	0	0	0.61	0	0.14	0	0.22
BLUE <sub>183</sub> 15.82 ± 0.35	100.00	0	0	0	0	0	0	0	0.32	0	0.05	0.04	0.12

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A189 15.71 ± 0.38	0	27.79	0	0	0	0	0	0	0.34	0	0.05	0.09	0.15
D189 15.83 ± 0.43	0	22.27	0	0	0	0	0	0	0.38	0	0.07	0.05	0.18
L189 16.24 ± 0.43	0	22.17	0	0	0	0	0	0	0.37	0	0.04	0.08	0.20
O189 16.30 ± 0.38	0	27.77	0	0	0	0	0	0	0.34	0	0.07	0	0.17
BLUE <sub>189</sub> 16.02 ± 0.20	0	100.00	0	0	0	0	0	0	0.18	0	0.03	0.03	0.09

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A192 17.23 ± 0.91	0	0	27.75	0	0	0	0	0	0.89	0	0.05	0.09	0.15
D192 16.90 ± 1.02	0	0	21.82	0	0	0	0	0	1.00	0	0.07	0.06	0.20
L192 16.39 ± 0.93	0	0	26.37	0	0	0	0	0	0.90	0	0.08	0.08	0.21
O192 16.60 ± 0.97	0	0	24.07	0	0	0	0	0	0.88	0	0.12	0	0.40
BLUE <sub>192</sub> 16.78 ± 0.48	0	0	100.00	0	0	0	0	0	0.46	0	0.04	0.04	0.13

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A196 17.00 ± 0.57	0	0	0	30.20	0	0	0	0	0.54	0	0.05	0.09	0.15
D196 17.86 ± 0.63	0	0	0	24.67	0	0	0	0	0.59	0	0.07	0.06	0.20
L196 16.67 ± 0.60	0	0	0	27.17	0	0	0	0	0.55	0	0.08	0.08	0.21
O196 18.59 ± 0.74	0	0	0	17.95	0	0	0	0	0.60	0	0.12	0	0.41
BLUE <sub>196</sub> 17.41 ± 0.31	0	0	0	100.00	0	0	0	0	0.29	0	0.04	0.04	0.11

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A200 16.98 ± 0.56	0	0	0	0	29.39	0	0	0	0.53	0	0.05	0.09	0.15
D200 17.35 ± 0.60	0	0	0	0	25.42	0	0	0	0.56	0	0.07	0.06	0.20
L200 16.94 ± 0.62	0	0	0	0	24.07	0	0	0	0.57	0	0.08	0.08	0.21
O200 16.32 ± 0.66	0	0	0	0	21.11	0	0	0	0.54	0	0.10	0	0.37
BLUE <sub>200</sub> 16.93 ± 0.30	0	0	0	0	100.00	0	0	0	0.28	0	0.04	0.04	0.11

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A202 16.16 ± 0.76	0	0	0	0	0	30.70	0	0	0.74	0	0.05	0.09	0.15
D202 17.67 ± 0.84	0	0	0	0	0	25.10	0	0	0.81	0	0.08	0.07	0.21
L202 16.95 ± 0.88	0	0	0	0	0	22.82	0	0	0.85	0	0.08	0.08	0.21
O202 18.48 ± 0.91	0	0	0	0	0	21.38	0	0	0.81	0	0.12	0	0.40
BLUE <sub>202</sub> 17.22 ± 0.42	0	0	0	0	0	100.00	0	0	0.40	0	0.04	0.04	0.12

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A205 16.57 ± 0.55	0	0	0	0	0	0	30.95	0	0.52	0	0.05	0.09	0.15
D205 17.44 ± 0.64	0	0	0	0	0	0	22.93	0	0.60	0	0.06	0.05	0.20
L205 17.35 ± 0.64	0	0	0	0	0	0	23.10	0	0.59	0	0.08	0.08	0.21
O205 15.97 ± 0.64	0	0	0	0	0	0	23.02	0	0.52	0	0.10	0	0.36
BLUE <sub>205</sub> 16.81 ± 0.31	0	0	0	0	0	0	100.00	0	0.28	0	0.04	0.04	0.12

Measurements	CVW <sub>183</sub> /%	CVW <sub>189</sub> /%	CVW <sub>192</sub> /%	CVW <sub>196</sub> /%	CVW <sub>200</sub> /%	CVW <sub>202</sub> /%	CVW <sub>205</sub> /%	CVW <sub>207</sub> /%	Stat	LCEU	LCEC	LUEU	LUEC
A207 17.32 ± 0.45	0	0	0	0	0	0	0	30.58	0.41	0	0.05	0.09	0.15
D207 16.50 ± 0.48	0	0	0	0	0	0	0	26.76	0.43	0	0.06	0.05	0.20
L207 17.96 ± 0.51	0	0	0	0	0	0	0	23.57	0.45	0	0.08	0.08	0.21
O207 17.77 ± 0.57	0	0	0	0	0	0	0	19.09	0.42	0	0.09	0	0.37
BLUE <sub>207</sub> 17.34 ± 0.25	0	0	0	0	0	0	0	100.00	0.22	0	0.03	0.04	0.11

Table 9: BLUE's of the combination ( $\chi^2/\text{ndof} = 22.98/24$ ). Values /1k are displayed. For each input measurement  $i$ , the central value weight CVW or  $\lambda_i^\alpha$  with which that measurement contributes to the BLUE for observable  $\alpha$  is listed.

	183	189	192	196	200	202	205	207
183	1.00	0	0	0	0	0	0	0
189	0	1.00	0	0	0	0	0	0
192	0	0	1.00	0	0	0	0	0
196	0	0	0	1.00	0	0	0	0
200	0	0	0	0	1.00	0	0	0
202	0	0	0	0	0	1.00	0	0
205	0	0	0	0	0	0	1.00	0
207	0	0	0	0	0	0	0	1.00

Table 10: Correlations between the BLUE's.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.87	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.78	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.26	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.95	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.54	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.83	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.41	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32

Table 11: Full input covariance between measurements (summed over error sources). Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.81	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.32	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.72	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.37	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.77	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.66	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18

Table 12: Partial input covariance between measurements. Error source #0: Stat. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 13: Partial input covariance between measurements. Error source #1: LCEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01

Table 14: Partial input covariance between measurements. Error source #2: LCEC. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	~0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table 15: Partial input covariance between measurements. Error source #3: LUEU. Values /1M are displayed.

	A183	A189	A192	A196	A200	A202	A205	A207	D183	D189	D192	D196	D200	D202	D205	D207	L183	L189	L192	L196	L200	L202	L205	L207	O183	O189	O192	O196	O200	O202	O205	O207
A183	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A189	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A192	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A196	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A200	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A202	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A205	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A207	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D183	0	0	0	0	0	0	0	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D189	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D192	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D196	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D200	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D202	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
D207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0	0
L192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0	0
L196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0	0
L200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0	0
L202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0	0
L205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0	0
L207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0	0	0	0	0	0	0	0
O183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0
O189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0	0	0	0	0	0
O192	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0	0	0	0
O196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0	0	0	0
O200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0	0	0
O202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0	0
O205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0
O207	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.14

Table 16: Partial input covariance between measurements. Error source #4: LUEC. Values /1M are displayed.



## Appendix A1. Input data.

```

1 #=====
2 #=== BlueFin input data file =====
3 #=====
4
5 # The file is expected to have the following format.
6 # Blank lines and lines with only empty spaces are ignored.
7 # Lines starting by '#' are reserved for comments and are ignored.
8 # Data lines are composed of fields separated by one or more empty spaces.
9 # Fields cannot contain empty spaces, with the exception of the title line.
10
11 # The next line must have 2 fields: 'TITLE' and the title of the
12 # BlueFin combination, which must be enclosed within double quotes
13 # and may contain only alphanumeric characters or spaces or hyphens.
14 TITLE "LEP2 WW cross sections"
15
16 # The next line must have 2 fields: 'NOBS' and the number of observables.
17 NOBS 8
18
19 # The next line must have 2 fields: 'NMEA' and the number of measurements.
20 NMEA 32
21
22 # The next line must have 2 fields: 'NERR' and the number of error sources.
23 NERR 5
24
25 # The next NERR+3 lines must have NMEA+1 fields in this format:
26 # - in the 1st line: 'MEANAME' followed by NMEA distinct measurement names
27 #   (measurement names may contain only alphanumeric characters or spaces);
28 # - in the 2nd line: 'OBSNAME' followed by the NMEA names (with NOBS distinct
29 #   values) of the observables measured by the corresponding measurements
30 #   (observable names may contain only alphanumeric characters or spaces
31 #   and should preferably be at most 3 characters long);
32 # - in the 3rd line: 'MEAAVAL' followed by the NMEA measured central values;
33 # - in each of the last NERR lines: the error source name followed by the
34 #   NMEA partial errors for each measurement due to the given error source
35 #   (error source names may contain only alphanumeric characters or spaces).
36 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print substr($1,2,1)$2}' | sed 's| | |g'
37 MEANAME A183 A189 A192 A196 A200 A202 A205 A207 D183 D189 D192 D196 D200 D202 D205 D207 L183 L189 L192 L196 L200 L202 L205 L207 0183 0189
38          0192 0196 0200 0202 0205 0207
39 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print "C"$2}' | sed 's| | |g'
40 OBSNAME 183 189 192 196 200 202 205 207 183 189 192 196 200 202 205 207 183 189 192 196 200 202 205 207 183 189
41          192 196 200 202 205 207
42 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $3}'
43 MEAAVAL 15570 15710 17230 17000 16980 16160 16570 17320 15860 15830 16900 17860 17350 17670 17440 16500 16530 16240 16390 16670 16940 16950 17350 17957 15430 16300
44          16600 18590 16320 18480 15970 17770
45 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $4}' | sed 's| | |g'
46 Stat      620 340 890 540 530 740 520 410 690 380 1000 590 560 810 600 430 670 370 900 550 570 850 590 450 610 340
47          880 600 540 810 520 420
48 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $7}' | sed 's| | |g'
49 LCEU      0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
50          0 0 0 0 0 0
51 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $8}' | sed 's| | |g'
52 LCEC      90 50 50 50 50 50 50 50 85 70 70 70 70 80 60 60 80 44 80 80 80 80 80 140 65
53          120 120 99 115 96 92
54 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $9}' | sed 's| | |g'

```

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.



```

49 LUEU      93      89      89      89      89      89      89      89      89      65      50      60      60      60      65      54      50      138      76      84      84      84      84      84      84      0      0
50 # === From echo 'cat sww.in | egrep '\+(A|D|L|O)' | awk '{print $10}' | sed 's| | |g'
51 LUEC      256     148     148     148     148     148     148     148     148     235     181     200     200     200     206     205     195     205     202     210     210     210     210     210     210     219     168
52      402     413     367     404     357     369
53 # The next NMEA*(NMEA-1)/2+1 rows must have NERR+2 fields in this format:
54 # - in the 1st line: 'CMEA1' 'CMEA2' (correlations between 2 measurements)
55 #   followed by the NERR error source names in the same order used above;
56 # - in each of the NMEA*(NMEA-1)/2 last lines: the names of two distinct
57 #   measurements followed by the NERR correlations between the partial
58 #   errors on the two measurements due to corresponding error source.
59 #   Measurements must appear in the same order listed above.
60 # === From: adlo="A D L O"; ecms="183 189 192 196 200 202 205 207"; for a1 in $adlo; do for e1 in $ecms; do for a2 in $adlo; do for e2 in $ecms; do m1=$a1$e1; m2=
    $a2$e2; lueu=0; lcec=1; if [ "$e1" == "$e2" ]; then lceu=1; else lceu=0; fi; if [ "$a1" == "$a2" ]; then luec=1; else luec=0; fi; if [[ $m2 > $m1 ]]; then echo "
    $m1 $m2 0 $lceu $lcec $lueu $luec"; fi; done; done; done; done
61 CMEA1 CMEA2 Stat LCEU LCEC LUEU LUEC
62 A183 A189 0 0 1 0 1
63 A183 A192 0 0 1 0 1
64 A183 A196 0 0 1 0 1
65 A183 A200 0 0 1 0 1
66 A183 A202 0 0 1 0 1
67 A183 A205 0 0 1 0 1
68 A183 A207 0 0 1 0 1
69 A183 D183 0 1 1 0 0
70 A183 D189 0 0 1 0 0
71 A183 D192 0 0 1 0 0
72 A183 D196 0 0 1 0 0
73 A183 D200 0 0 1 0 0
74 A183 D202 0 0 1 0 0
75 A183 D205 0 0 1 0 0
76 A183 D207 0 0 1 0 0
77 A183 L183 0 1 1 0 0
78 A183 L189 0 0 1 0 0
79 A183 L192 0 0 1 0 0
80 A183 L196 0 0 1 0 0
81 A183 L200 0 0 1 0 0
82 A183 L202 0 0 1 0 0
83 A183 L205 0 0 1 0 0
84 A183 L207 0 0 1 0 0
85 A183 O183 0 1 1 0 0
86 A183 O189 0 0 1 0 0
87 A183 O192 0 0 1 0 0
88 A183 O196 0 0 1 0 0
89 A183 O200 0 0 1 0 0
90 A183 O202 0 0 1 0 0
91 A183 O205 0 0 1 0 0
92 A183 O207 0 0 1 0 0
93 A189 A192 0 0 1 0 1
94 A189 A196 0 0 1 0 1
95 A189 A200 0 0 1 0 1
96 A189 A202 0 0 1 0 1
97 A189 A205 0 0 1 0 1
98 A189 A207 0 0 1 0 1
99 A189 D183 0 0 1 0 0
100 A189 D189 0 1 1 0 0
101 A189 D192 0 0 1 0 0

```

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

102	A189	D196	0	0	1	0	0
103	A189	D200	0	0	1	0	0
104	A189	D202	0	0	1	0	0
105	A189	D205	0	0	1	0	0
106	A189	D207	0	0	1	0	0
107	A189	L183	0	0	1	0	0
108	A189	L189	0	1	1	0	0
109	A189	L192	0	0	1	0	0
110	A189	L196	0	0	1	0	0
111	A189	L200	0	0	1	0	0
112	A189	L202	0	0	1	0	0
113	A189	L205	0	0	1	0	0
114	A189	L207	0	0	1	0	0
115	A189	O183	0	0	1	0	0
116	A189	O189	0	1	1	0	0
117	A189	O192	0	0	1	0	0
118	A189	O196	0	0	1	0	0
119	A189	O200	0	0	1	0	0
120	A189	O202	0	0	1	0	0
121	A189	O205	0	0	1	0	0
122	A189	O207	0	0	1	0	0
123	A192	A196	0	0	1	0	1
124	A192	A200	0	0	1	0	1
125	A192	A202	0	0	1	0	1
126	A192	A205	0	0	1	0	1
127	A192	A207	0	0	1	0	1
128	A192	D183	0	0	1	0	0
129	A192	D189	0	0	1	0	0
130	A192	D192	0	1	1	0	0
131	A192	D196	0	0	1	0	0
132	A192	D200	0	0	1	0	0
133	A192	D202	0	0	1	0	0
134	A192	D205	0	0	1	0	0
135	A192	D207	0	0	1	0	0
136	A192	L183	0	0	1	0	0
137	A192	L189	0	0	1	0	0
138	A192	L192	0	1	1	0	0
139	A192	L196	0	0	1	0	0
140	A192	L200	0	0	1	0	0
141	A192	L202	0	0	1	0	0
142	A192	L205	0	0	1	0	0
143	A192	L207	0	0	1	0	0
144	A192	O183	0	0	1	0	0
145	A192	O189	0	0	1	0	0
146	A192	O192	0	1	1	0	0
147	A192	O196	0	0	1	0	0
148	A192	O200	0	0	1	0	0
149	A192	O202	0	0	1	0	0
150	A192	O205	0	0	1	0	0
151	A192	O207	0	0	1	0	0
152	A196	A200	0	0	1	0	1
153	A196	A202	0	0	1	0	1
154	A196	A205	0	0	1	0	1
155	A196	A207	0	0	1	0	1
156	A196	D183	0	0	1	0	0
157	A196	D189	0	0	1	0	0
158	A196	D192	0	0	1	0	0

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.



159	A196	D196	0	1	1	0	0
160	A196	D200	0	0	1	0	0
161	A196	D202	0	0	1	0	0
162	A196	D205	0	0	1	0	0
163	A196	D207	0	0	1	0	0
164	A196	L183	0	0	1	0	0
165	A196	L189	0	0	1	0	0
166	A196	L192	0	0	1	0	0
167	A196	L196	0	1	1	0	0
168	A196	L200	0	0	1	0	0
169	A196	L202	0	0	1	0	0
170	A196	L205	0	0	1	0	0
171	A196	L207	0	0	1	0	0
172	A196	O183	0	0	1	0	0
173	A196	O189	0	0	1	0	0
174	A196	O192	0	0	1	0	0
175	A196	O196	0	1	1	0	0
176	A196	O200	0	0	1	0	0
177	A196	O202	0	0	1	0	0
178	A196	O205	0	0	1	0	0
179	A196	O207	0	0	1	0	0
180	A200	A202	0	0	1	0	1
181	A200	A205	0	0	1	0	1
182	A200	A207	0	0	1	0	1
183	A200	D183	0	0	1	0	0
184	A200	D189	0	0	1	0	0
185	A200	D192	0	0	1	0	0
186	A200	D196	0	0	1	0	0
187	A200	D200	0	1	1	0	0
188	A200	D202	0	0	1	0	0
189	A200	D205	0	0	1	0	0
190	A200	D207	0	0	1	0	0
191	A200	L183	0	0	1	0	0
192	A200	L189	0	0	1	0	0
193	A200	L192	0	0	1	0	0
194	A200	L196	0	0	1	0	0
195	A200	L200	0	1	1	0	0
196	A200	L202	0	0	1	0	0
197	A200	L205	0	0	1	0	0
198	A200	L207	0	0	1	0	0
199	A200	O183	0	0	1	0	0
200	A200	O189	0	0	1	0	0
201	A200	O192	0	0	1	0	0
202	A200	O196	0	0	1	0	0
203	A200	O200	0	1	1	0	0
204	A200	O202	0	0	1	0	0
205	A200	O205	0	0	1	0	0
206	A200	O207	0	0	1	0	0
207	A202	A205	0	0	1	0	1
208	A202	A207	0	0	1	0	1
209	A202	D183	0	0	1	0	0
210	A202	D189	0	0	1	0	0
211	A202	D192	0	0	1	0	0
212	A202	D196	0	0	1	0	0
213	A202	D200	0	0	1	0	0
214	A202	D202	0	1	1	0	0
215	A202	D205	0	0	1	0	0

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

216	A202	D207	0	0	1	0	0
217	A202	L183	0	0	1	0	0
218	A202	L189	0	0	1	0	0
219	A202	L192	0	0	1	0	0
220	A202	L196	0	0	1	0	0
221	A202	L200	0	0	1	0	0
222	A202	L202	0	1	1	0	0
223	A202	L205	0	0	1	0	0
224	A202	L207	0	0	1	0	0
225	A202	O183	0	0	1	0	0
226	A202	O189	0	0	1	0	0
227	A202	O192	0	0	1	0	0
228	A202	O196	0	0	1	0	0
229	A202	O200	0	0	1	0	0
230	A202	O202	0	1	1	0	0
231	A202	O205	0	0	1	0	0
232	A202	O207	0	0	1	0	0
233	A205	A207	0	0	1	0	1
234	A205	D183	0	0	1	0	0
235	A205	D189	0	0	1	0	0
236	A205	D192	0	0	1	0	0
237	A205	D196	0	0	1	0	0
238	A205	D200	0	0	1	0	0
239	A205	D202	0	0	1	0	0
240	A205	D205	0	1	1	0	0
241	A205	D207	0	0	1	0	0
242	A205	L183	0	0	1	0	0
243	A205	L189	0	0	1	0	0
244	A205	L192	0	0	1	0	0
245	A205	L196	0	0	1	0	0
246	A205	L200	0	0	1	0	0
247	A205	L202	0	0	1	0	0
248	A205	L205	0	1	1	0	0
249	A205	L207	0	0	1	0	0
250	A205	O183	0	0	1	0	0
251	A205	O189	0	0	1	0	0
252	A205	O192	0	0	1	0	0
253	A205	O196	0	0	1	0	0
254	A205	O200	0	0	1	0	0
255	A205	O202	0	0	1	0	0
256	A205	O205	0	1	1	0	0
257	A205	O207	0	0	1	0	0
258	A207	D183	0	0	1	0	0
259	A207	D189	0	0	1	0	0
260	A207	D192	0	0	1	0	0
261	A207	D196	0	0	1	0	0
262	A207	D200	0	0	1	0	0
263	A207	D202	0	0	1	0	0
264	A207	D205	0	0	1	0	0
265	A207	D207	0	1	1	0	0
266	A207	L183	0	0	1	0	0
267	A207	L189	0	0	1	0	0
268	A207	L192	0	0	1	0	0
269	A207	L196	0	0	1	0	0
270	A207	L200	0	0	1	0	0
271	A207	L202	0	0	1	0	0
272	A207	L205	0	0	1	0	0

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

273	A207	L207	0	1	1	0	0
274	A207	0183	0	0	1	0	0
275	A207	0189	0	0	1	0	0
276	A207	0192	0	0	1	0	0
277	A207	0196	0	0	1	0	0
278	A207	0200	0	0	1	0	0
279	A207	0202	0	0	1	0	0
280	A207	0205	0	0	1	0	0
281	A207	0207	0	1	1	0	0
282	D183	D189	0	0	1	0	1
283	D183	D192	0	0	1	0	1
284	D183	D196	0	0	1	0	1
285	D183	D200	0	0	1	0	1
286	D183	D202	0	0	1	0	1
287	D183	D205	0	0	1	0	1
288	D183	D207	0	0	1	0	1
289	D183	L183	0	1	1	0	0
290	D183	L189	0	0	1	0	0
291	D183	L192	0	0	1	0	0
292	D183	L196	0	0	1	0	0
293	D183	L200	0	0	1	0	0
294	D183	L202	0	0	1	0	0
295	D183	L205	0	0	1	0	0
296	D183	L207	0	0	1	0	0
297	D183	0183	0	1	1	0	0
298	D183	0189	0	0	1	0	0
299	D183	0192	0	0	1	0	0
300	D183	0196	0	0	1	0	0
301	D183	0200	0	0	1	0	0
302	D183	0202	0	0	1	0	0
303	D183	0205	0	0	1	0	0
304	D183	0207	0	0	1	0	0
305	D189	D192	0	0	1	0	1
306	D189	D196	0	0	1	0	1
307	D189	D200	0	0	1	0	1
308	D189	D202	0	0	1	0	1
309	D189	D205	0	0	1	0	1
310	D189	D207	0	0	1	0	1
311	D189	L183	0	0	1	0	0
312	D189	L189	0	1	1	0	0
313	D189	L192	0	0	1	0	0
314	D189	L196	0	0	1	0	0
315	D189	L200	0	0	1	0	0
316	D189	L202	0	0	1	0	0
317	D189	L205	0	0	1	0	0
318	D189	L207	0	0	1	0	0
319	D189	0183	0	0	1	0	0
320	D189	0189	0	1	1	0	0
321	D189	0192	0	0	1	0	0
322	D189	0196	0	0	1	0	0
323	D189	0200	0	0	1	0	0
324	D189	0202	0	0	1	0	0
325	D189	0205	0	0	1	0	0
326	D189	0207	0	0	1	0	0
327	D192	D196	0	0	1	0	1
328	D192	D200	0	0	1	0	1
329	D192	D202	0	0	1	0	1

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

330	D192	D205	0	0	1	0	1
331	D192	D207	0	0	1	0	1
332	D192	L183	0	0	1	0	0
333	D192	L189	0	0	1	0	0
334	D192	L192	0	1	1	0	0
335	D192	L196	0	0	1	0	0
336	D192	L200	0	0	1	0	0
337	D192	L202	0	0	1	0	0
338	D192	L205	0	0	1	0	0
339	D192	L207	0	0	1	0	0
340	D192	0183	0	0	1	0	0
341	D192	0189	0	0	1	0	0
342	D192	0192	0	1	1	0	0
343	D192	0196	0	0	1	0	0
344	D192	0200	0	0	1	0	0
345	D192	0202	0	0	1	0	0
346	D192	0205	0	0	1	0	0
347	D192	0207	0	0	1	0	0
348	D196	D200	0	0	1	0	1
349	D196	D202	0	0	1	0	1
350	D196	D205	0	0	1	0	1
351	D196	D207	0	0	1	0	1
352	D196	L183	0	0	1	0	0
353	D196	L189	0	0	1	0	0
354	D196	L192	0	0	1	0	0
355	D196	L196	0	1	1	0	0
356	D196	L200	0	0	1	0	0
357	D196	L202	0	0	1	0	0
358	D196	L205	0	0	1	0	0
359	D196	L207	0	0	1	0	0
360	D196	0183	0	0	1	0	0
361	D196	0189	0	0	1	0	0
362	D196	0192	0	0	1	0	0
363	D196	0196	0	1	1	0	0
364	D196	0200	0	0	1	0	0
365	D196	0202	0	0	1	0	0
366	D196	0205	0	0	1	0	0
367	D196	0207	0	0	1	0	0
368	D200	D202	0	0	1	0	1
369	D200	D205	0	0	1	0	1
370	D200	D207	0	0	1	0	1
371	D200	L183	0	0	1	0	0
372	D200	L189	0	0	1	0	0
373	D200	L192	0	0	1	0	0
374	D200	L196	0	0	1	0	0
375	D200	L200	0	1	1	0	0
376	D200	L202	0	0	1	0	0
377	D200	L205	0	0	1	0	0
378	D200	L207	0	0	1	0	0
379	D200	0183	0	0	1	0	0
380	D200	0189	0	0	1	0	0
381	D200	0192	0	0	1	0	0
382	D200	0196	0	0	1	0	0
383	D200	0200	0	1	1	0	0
384	D200	0202	0	0	1	0	0
385	D200	0205	0	0	1	0	0
386	D200	0207	0	0	1	0	0

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

387	D202	D205	0	0	1	0	1
388	D202	D207	0	0	1	0	1
389	D202	L183	0	0	1	0	0
390	D202	L189	0	0	1	0	0
391	D202	L192	0	0	1	0	0
392	D202	L196	0	0	1	0	0
393	D202	L200	0	0	1	0	0
394	D202	L202	0	1	1	0	0
395	D202	L205	0	0	1	0	0
396	D202	L207	0	0	1	0	0
397	D202	0183	0	0	1	0	0
398	D202	0189	0	0	1	0	0
399	D202	0192	0	0	1	0	0
400	D202	0196	0	0	1	0	0
401	D202	0200	0	0	1	0	0
402	D202	0202	0	1	1	0	0
403	D202	0205	0	0	1	0	0
404	D202	0207	0	0	1	0	0
405	D205	D207	0	0	1	0	1
406	D205	L183	0	0	1	0	0
407	D205	L189	0	0	1	0	0
408	D205	L192	0	0	1	0	0
409	D205	L196	0	0	1	0	0
410	D205	L200	0	0	1	0	0
411	D205	L202	0	0	1	0	0
412	D205	L205	0	1	1	0	0
413	D205	L207	0	0	1	0	0
414	D205	0183	0	0	1	0	0
415	D205	0189	0	0	1	0	0
416	D205	0192	0	0	1	0	0
417	D205	0196	0	0	1	0	0
418	D205	0200	0	0	1	0	0
419	D205	0202	0	0	1	0	0
420	D205	0205	0	1	1	0	0
421	D205	0207	0	0	1	0	0
422	D207	L183	0	0	1	0	0
423	D207	L189	0	0	1	0	0
424	D207	L192	0	0	1	0	0
425	D207	L196	0	0	1	0	0
426	D207	L200	0	0	1	0	0
427	D207	L202	0	0	1	0	0
428	D207	L205	0	0	1	0	0
429	D207	L207	0	1	1	0	0
430	D207	0183	0	0	1	0	0
431	D207	0189	0	0	1	0	0
432	D207	0192	0	0	1	0	0
433	D207	0196	0	0	1	0	0
434	D207	0200	0	0	1	0	0
435	D207	0202	0	0	1	0	0
436	D207	0205	0	0	1	0	0
437	D207	0207	0	1	1	0	0
438	L183	L189	0	0	1	0	1
439	L183	L192	0	0	1	0	1
440	L183	L196	0	0	1	0	1
441	L183	L200	0	0	1	0	1
442	L183	L202	0	0	1	0	1
443	L183	L205	0	0	1	0	1

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.



444	L183	L207	0	0	1	0	1
445	L183	0183	0	1	1	0	0
446	L183	0189	0	0	1	0	0
447	L183	0192	0	0	1	0	0
448	L183	0196	0	0	1	0	0
449	L183	0200	0	0	1	0	0
450	L183	0202	0	0	1	0	0
451	L183	0205	0	0	1	0	0
452	L183	0207	0	0	1	0	0
453	L189	L192	0	0	1	0	1
454	L189	L196	0	0	1	0	1
455	L189	L200	0	0	1	0	1
456	L189	L202	0	0	1	0	1
457	L189	L205	0	0	1	0	1
458	L189	L207	0	0	1	0	1
459	L189	0183	0	0	1	0	0
460	L189	0189	0	1	1	0	0
461	L189	0192	0	0	1	0	0
462	L189	0196	0	0	1	0	0
463	L189	0200	0	0	1	0	0
464	L189	0202	0	0	1	0	0
465	L189	0205	0	0	1	0	0
466	L189	0207	0	0	1	0	0
467	L192	L196	0	0	1	0	1
468	L192	L200	0	0	1	0	1
469	L192	L202	0	0	1	0	1
470	L192	L205	0	0	1	0	1
471	L192	L207	0	0	1	0	1
472	L192	0183	0	0	1	0	0
473	L192	0189	0	0	1	0	0
474	L192	0192	0	1	1	0	0
475	L192	0196	0	0	1	0	0
476	L192	0200	0	0	1	0	0
477	L192	0202	0	0	1	0	0
478	L192	0205	0	0	1	0	0
479	L192	0207	0	0	1	0	0
480	L196	L200	0	0	1	0	1
481	L196	L202	0	0	1	0	1
482	L196	L205	0	0	1	0	1
483	L196	L207	0	0	1	0	1
484	L196	0183	0	0	1	0	0
485	L196	0189	0	0	1	0	0
486	L196	0192	0	0	1	0	0
487	L196	0196	0	1	1	0	0
488	L196	0200	0	0	1	0	0
489	L196	0202	0	0	1	0	0
490	L196	0205	0	0	1	0	0
491	L196	0207	0	0	1	0	0
492	L200	L202	0	0	1	0	1
493	L200	L205	0	0	1	0	1
494	L200	L207	0	0	1	0	1
495	L200	0183	0	0	1	0	0
496	L200	0189	0	0	1	0	0
497	L200	0192	0	0	1	0	0
498	L200	0196	0	0	1	0	0
499	L200	0200	0	1	1	0	0
500	L200	0202	0	0	1	0	0

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

501	L200	0205	0	0	1	0	0
502	L200	0207	0	0	1	0	0
503	L202	L205	0	0	1	0	1
504	L202	L207	0	0	1	0	1
505	L202	0183	0	0	1	0	0
506	L202	0189	0	0	1	0	0
507	L202	0192	0	0	1	0	0
508	L202	0196	0	0	1	0	0
509	L202	0200	0	0	1	0	0
510	L202	0202	0	1	1	0	0
511	L202	0205	0	0	1	0	0
512	L202	0207	0	0	1	0	0
513	L205	L207	0	0	1	0	1
514	L205	0183	0	0	1	0	0
515	L205	0189	0	0	1	0	0
516	L205	0192	0	0	1	0	0
517	L205	0196	0	0	1	0	0
518	L205	0200	0	0	1	0	0
519	L205	0202	0	0	1	0	0
520	L205	0205	0	1	1	0	0
521	L205	0207	0	0	1	0	0
522	L207	0183	0	0	1	0	0
523	L207	0189	0	0	1	0	0
524	L207	0192	0	0	1	0	0
525	L207	0196	0	0	1	0	0
526	L207	0200	0	0	1	0	0
527	L207	0202	0	0	1	0	0
528	L207	0205	0	0	1	0	0
529	L207	0207	0	1	1	0	0
530	0183	0189	0	0	1	0	1
531	0183	0192	0	0	1	0	1
532	0183	0196	0	0	1	0	1
533	0183	0200	0	0	1	0	1
534	0183	0202	0	0	1	0	1
535	0183	0205	0	0	1	0	1
536	0183	0207	0	0	1	0	1
537	0189	0192	0	0	1	0	1
538	0189	0196	0	0	1	0	1
539	0189	0200	0	0	1	0	1
540	0189	0202	0	0	1	0	1
541	0189	0205	0	0	1	0	1
542	0189	0207	0	0	1	0	1
543	0192	0196	0	0	1	0	1
544	0192	0200	0	0	1	0	1
545	0192	0202	0	0	1	0	1
546	0192	0205	0	0	1	0	1
547	0192	0207	0	0	1	0	1
548	0196	0200	0	0	1	0	1
549	0196	0202	0	0	1	0	1
550	0196	0205	0	0	1	0	1
551	0196	0207	0	0	1	0	1
552	0200	0202	0	0	1	0	1
553	0200	0205	0	0	1	0	1
554	0200	0207	0	0	1	0	1
555	0202	0205	0	0	1	0	1
556	0202	0207	0	0	1	0	1
557	0205	0207	0	0	1	0	1

LEP Combination for the Summer 2001 Conferences (<http://lepewwg.web.cern.ch/LEPEWWG/lepww/4f/Summer01>). The output results may differ because of rounding errors.

Input data file: `sww.bfin`.