EUROGAM SUPPRESSION

J.Simpson

Shared suppression mode.

A possible mode of operation for the shared suppression in terms of which BGO detector suppresses which Ge detector is given below.

Ge detector	BGO elements in the suppression	No of BGOs
1	1a-1j,2f,2g,2h,6a,6e,5c,5d,5e,35a,35b,7i,7j	22
2	2a-2j,3f,3g,3h,6a,6b,1c,1d,1e,11a,11b,13i,13j	22
3	3a-3j,4f,4g,4h,6b,6c,2c,2d,2e,17a,17b,19i,19j	22
4	4a-4j,5f,5g,5h,6c,6d,3c,3d,3e,23a,23b,25i,25j	22
5	5a-5j,1f,1g,1h,6d,6e,4c,4d,4e,29a,29b,31i,31j	22
7	7a-7j,8f,8g,8h,12e,12a,11c,11d,11e,1a,1b,35i,35j	22
8	8a-8j,9f,9g,9h,12a,12b,7c,7d,7e,34a,34b,37i,37j	22
9	9a-9j,10f,10g,10h,12b,12c,8c,8d,8e,39a,39b,42i,42j	22
10	10a-10j,11f,11g,11h,12c,12d,9c,9d,9e,41a,41b,14i,14j	22
11	11a-11j,7f,7g,7h,12d,12e,10c,10d,10e,13a,13b,2i,2j	22
12	12a-12e,7e,7f,8e,8f,9e,9f,10e,10f,11e,11f	15
13	13a-13j,14f,14g,14h,18e,18a,17c,17d,17e,2a,2b,11i,11j	22
14	14a-14j,15f,15g,15h,18a,18b,13c,13d,13e,10a,10b,41i,41j	22
15	15a-15j,16f,16g,16h,18b,18c,14c,14d,14e,43a,43b,46i,46j	22
16	16a-16j,17f,17g,17h,18c,18d,15c,15d,15e,45a,45b,20i,20j	22
17	17a-17j,13f,13g,13h,18d,18e,16c,16d,16e,19a,19b,3i,3j	22
18	18a-18e,13e,13f,14e,14f,15e,15f,16e,16f,17e,17f	15
19	19a-19j,20f,20g,20h,24e,24a,23c,23d,23e,3a,3b,17i,17j	22
20	20a-20j,21f,21g,21h,24a,24b,19c,19d,19e,16a,16b,45i,45j	22
21	21a-21j,22f,22g,22h,24b,24c,20c,20d,20e,47a,47b,50i,50j	22
22	22a-22j,23f,23g,23h,24c,24d,21c,21d,21e,49a,49b,26i,26j	22
23	23a-23j,19f,19g,19h,24d,24e,22c,22d,22e,25a,25b,4i,4j	22
24	24a-24e,19e,19f,20e,20f,21e,21f,22e,22f,23e,23f	15
25	25a-25j,26f,26g,26h,30e,30a,29c,29d,29e,4a,4b,23i,23j	22
26	26a-26j,27f,27g,27h,30a,30b,25c,25d,25e,22a,22b,49i,49j	22
27	27a-27j,28f,28g,28h,30b,30c,26c,26d,26e,51a,51b,54i,54j	22
28	28a-28j,29f,29g,29h,30c,30d,27c,27d,27e,53a,53b,32i,32j	22
29	29a-29j,25f,25g,25h,30d,30e,28c,28d,28e,31a,31b,5i,5j	22
30	30a-30e,25e,25f,26e,26f,27e,27f,28e,28f,29e,29f	15
31	31a-31j,32f,32g,32h,36e,36a,35c,35d,35e,5a,5b,29i,29j	22
32	32a-32j,33f,33g,33h,36a,36b,31c,31d,31e,28a,28b,53i,53j	22
33	33a-33j,34f,34g,34h,36b,36c,32c,32d,32e,55a,55b,38i,38j	22
34	34a-34j,35f,35g,35h,36c,36d,33c,33d,33e,37a,37b,8i,8j	22
35	35a-35j,31f,31g,31h,36d,36e,34c,34d,34e,7a,7b,1i,1j	22
36	36a-36e,31e,31f,32e,32f,33e,33f,34e,34f,35e,35f	15

Ge detector	**BGO elements in the suppression**	**No of BGOs**
37	37a-37j,38f,38g,38h,41c,41d,41e,8a,8b,34i,34j	20
38	38a-38j,37c,37d,37e,33a,33b,65i,65j	17
41	41a-41j,37f,37g,37h,44a,44b,6i,6j	17
43	43a-43j,44f,44g,44h,47c,47d,47e,14a,14b,10i,10j	20
44	44a-44j,43c,43d,43e,9a,9b,41i,41j	17
47	47a-47j,43f,43g,43h,50a,50b,15i,15j	17
49	49a-49j,50f,50g,50h,53c,53d,53e,20a,20b,16i,16j	20
50	50a-50j,49c,49d,49e,15a,15b,47i,47j	17
53	53a-53j,49f,49g,49h,56a,56b,21i,21j	17
55	55a-55j,56f,56g,56h,59c,59d,59e,26a,26b,22i,22j	20
56	56a-56j,55c,55d,55e,21a,21b,53i,53j	17
59	59a-59j,55f,55g,55h,62a,62b,27i,27j	17
61	61a-61j,62f,62g,62h,65c,65d,65e,32a,32b,28i,28j	20
62	62a-62j,61c,61d,61e,27a,27b,59i,59j	17
65	65a-65j,61f,61g,61h,38a,38b,33i,33j	17

GAMIC SUPPRESSION

Individual suppression.

A possible mode of operation for the individual suppression mode in terms of which BGO detector suppresses which Ge detector is given below.

Ge detector	**BGO elements in the suppression**	**No of BGOs**
1	1a-1j	10
2	2a-2j	10
3	3a-3j	10
4	4a-4j	10
5	5a-5j	10

etc for Ge detectors 7,8 9,10,11,13,14,15,16,17,19,20,21,22,23,25,26,27 28,29,31,32,33,34,35,37,38,41,43,44,47,49,50,53,55,56,59,61,62,65.

And.

Ge detector	**BGO elements in the suppression**	**No of BGOs**
12	12a-12e,7e,7f,8e,8f,9e,9f,10e,10f,11e,11f	15
18	18a-18e,13e,13f,14e,14f,15e,15f,16e,16f,17e,17f	15
24	24a-24e,19e,19f,20e,20f,21e,21f,22e,22f,23e,23f	15
30	30e-30e,25e,25f,26e,26f,27e,27f,28e,28f,29e,29f	15
36	36e,36e,31e,31f,32e,32f,33e,33f,34e,34f,35e,35f	15