

29 December 1983

To: Distribution

From: H.D. Lemmel *Lemmel*

Subject: CPND compilation by RIKEN

Please find attached a list of product nuclei for which cross-sections and thick-target yields will be compiled in EXFOR by RIKEN. The list includes some product nuclei which are important as impurities when producing other nuclides.

Your co-operation will be appreciated

- by sending to RIKEN any materials you may encounter within their scope;
- by informing RIKEN of any related data that you may have compiled but not yet transmitted, in order to avoid duplication of compilation. (The Exfor data transmitted are available at RIKEN.)

I wish to apologize for the delay in the Actions and Minutes of the Moscow data center meeting.

Best wishes for the New Year!

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Clearance: J.J. Schmidt

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RIKEN will compile for the first step the experimental information available on cross-sections and thick target yields for the production of the following isotopes,

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|----|--|----|---|
| 1 | ^{11}C (20.4m), | 2 | ^{13}N (9.96m), |
| 3 | ^{15}O (122s), | 4 | ^{18}F (110m), |
| 5 | ^{28}Mg (21.0h), | 6 | ^{52}Fe (8.27h) ($^{52\text{m}}\text{Mn}$ (21.1m)), |
| 7 | ^{67}Ga (78.3h), | 8 | ^{68}Ge (288d) (^{68}Ga (68.1m)), |
| 9 | ^{74}As (17.8d), | 10 | ^{77}Br (57.0h), |
| 11 | ^{82}Br (35.3h), | 12 | ^{77}Kr (74.7m), |
| 13 | ^{81}Rb (4.58h) ($^{81\text{m}}\text{Kr}$ (13s)) | 14 | $^{82\text{m}}\text{Rb}$ (6.2h), |
| 15 | ^{111}In (2.83d), | 16 | ^{123}Xe (2.08h), |
| 17 | ^{127}Xe (36.4d), | 18 | ^{123}I (13.0h), |
| 19 | ^{124}I (4.2d), | 20 | ^{125}I (60.2d). |