

<sup>208</sup>Pb(p, xp) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |              |              |              |              |
|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
|               | Angle (°) 25               | Angle (°) 35 | Angle (°) 45 | Angle (°) 55 | Angle (°) 65 | Angle (°) 75 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 4             | 2,01E-02                   | 7,66E-03     | 9,03E-03     | 8,34E-03     | 6,28E-03     | 7,15E-03     |
| 5             | 6,65E-01                   | 2,45E-01     | 1,36E-01     | 1,34E-01     | 1,09E-01     | 1,03E-01     |
| 6             | 7,81E-01                   | 3,08E-01     | 1,74E-01     | 1,67E-01     | 1,37E-01     | 1,18E-01     |
| 7             | 9,56E-01                   | 3,73E-01     | 1,02E-01     | 9,30E-02     | 2,02E-01     | 1,69E-01     |
| 8             | 1,14E+00                   | 4,74E-01     | 1,25E-01     | 1,25E-01     | 2,90E-01     | 2,49E-01     |
| 9             | 1,03E+00                   | 5,18E-01     | 2,42E-01     | 2,36E-01     | 3,56E-01     | 3,03E-01     |
| 10            | 8,56E-01                   | 5,25E-01     | 3,03E-01     | 2,79E-01     | 4,63E-01     | 4,02E-01     |
| 11            | 1,65E+00                   | 1,23E+00     | 6,18E-01     | 5,77E-01     | 9,81E-01     | 8,60E-01     |
| 12            | 2,14E+00                   | 1,72E+00     | 1,24E+00     | 1,16E+00     | 1,35E+00     | 1,18E+00     |
| 13            | 2,55E+00                   | 1,99E+00     | 1,50E+00     | 1,35E+00     | 1,49E+00     | 1,28E+00     |
| 14            | 2,96E+00                   | 2,33E+00     | 1,69E+00     | 1,49E+00     | 1,65E+00     | 1,41E+00     |
| 15            | 3,30E+00                   | 2,63E+00     | 1,90E+00     | 1,68E+00     | 1,81E+00     | 1,52E+00     |
| 16            | 3,60E+00                   | 2,79E+00     | 2,03E+00     | 1,81E+00     | 1,89E+00     | 1,57E+00     |
| 17            | 3,67E+00                   | 2,93E+00     | 2,23E+00     | 2,00E+00     | 2,02E+00     | 1,64E+00     |
| 18            | 4,05E+00                   | 3,19E+00     | 2,40E+00     | 2,08E+00     | 2,03E+00     | 1,63E+00     |
| 19            | 4,02E+00                   | 3,18E+00     | 2,58E+00     | 2,22E+00     | 2,05E+00     | 1,62E+00     |
| 20            | 4,23E+00                   | 3,32E+00     | 2,64E+00     | 2,29E+00     | 2,02E+00     | 1,57E+00     |
| 21            | 4,29E+00                   | 3,36E+00     | 2,62E+00     | 2,24E+00     | 1,92E+00     | 1,48E+00     |
| 22            | 4,36E+00                   | 3,36E+00     | 2,83E+00     | 2,34E+00     | 1,93E+00     | 1,44E+00     |
| 23            | 4,61E+00                   | 3,48E+00     | 2,65E+00     | 2,20E+00     | 1,81E+00     | 1,34E+00     |
| 24            | 4,62E+00                   | 3,46E+00     | 2,88E+00     | 2,30E+00     | 1,82E+00     | 1,32E+00     |
| 25            | 4,53E+00                   | 3,41E+00     | 2,76E+00     | 2,25E+00     | 1,74E+00     | 1,25E+00     |
| 26            | 4,65E+00                   | 3,47E+00     | 2,87E+00     | 2,27E+00     | 1,67E+00     | 1,18E+00     |
| 27            | 4,79E+00                   | 3,61E+00     | 2,81E+00     | 2,17E+00     | 1,64E+00     | 1,14E+00     |
| 28            | 4,63E+00                   | 3,38E+00     | 2,81E+00     | 2,17E+00     | 1,56E+00     | 1,07E+00     |
| 29            | 4,76E+00                   | 3,50E+00     | 2,90E+00     | 2,17E+00     | 1,48E+00     | 9,88E-01     |
| 30            | 4,62E+00                   | 3,35E+00     | 2,78E+00     | 2,05E+00     | 1,43E+00     | 9,38E-01     |
| 31            | 4,66E+00                   | 3,40E+00     | 2,74E+00     | 2,03E+00     | 1,34E+00     | 8,77E-01     |
| 32            | 4,41E+00                   | 3,24E+00     | 2,77E+00     | 2,00E+00     | 1,32E+00     | 8,42E-01     |
| 33            | 4,70E+00                   | 3,44E+00     | 2,58E+00     | 1,89E+00     | 1,22E+00     | 7,76E-01     |
| 34            | 4,49E+00                   | 3,30E+00     | 2,61E+00     | 1,86E+00     | 1,18E+00     | 7,35E-01     |
| 35            | 4,37E+00                   | 3,19E+00     | 2,63E+00     | 1,84E+00     | 1,09E+00     | 6,79E-01     |
| 36            | 4,65E+00                   | 3,31E+00     | 2,57E+00     | 1,79E+00     | 1,07E+00     | 6,45E-01     |
| 37            | 4,53E+00                   | 3,28E+00     | 2,43E+00     | 1,68E+00     | 9,78E-01     | 5,83E-01     |
| 38            | 4,67E+00                   | 3,24E+00     | 2,59E+00     | 1,72E+00     | 9,75E-01     | 5,84E-01     |
| 39            | 4,32E+00                   | 3,06E+00     | 2,42E+00     | 1,59E+00     | 8,56E-01     | 5,05E-01     |
| 40            | 4,59E+00                   | 3,14E+00     | 2,22E+00     | 1,47E+00     | 8,45E-01     | 4,94E-01     |
| 41            | 4,35E+00                   | 2,97E+00     | 2,30E+00     | 1,51E+00     | 7,82E-01     | 4,42E-01     |
| 42            | 4,23E+00                   | 2,90E+00     | 2,17E+00     | 1,39E+00     | 7,37E-01     | 4,20E-01     |
| 43            | 4,01E+00                   | 2,79E+00     | 2,22E+00     | 1,40E+00     | 6,76E-01     | 3,77E-01     |
| 44            | 4,48E+00                   | 2,90E+00     | 2,04E+00     | 1,29E+00     | 6,56E-01     | 3,56E-01     |
| 45            | 4,19E+00                   | 2,76E+00     | 1,91E+00     | 1,22E+00     | 6,30E-01     | 3,41E-01     |
| 46            | 4,24E+00                   | 2,81E+00     | 1,98E+00     | 1,23E+00     | 5,92E-01     | 3,11E-01     |
| 47            | 4,44E+00                   | 2,79E+00     | 1,87E+00     | 1,15E+00     | 5,23E-01     | 2,80E-01     |
| 48            | 4,60E+00                   | 2,70E+00     | 1,96E+00     | 1,16E+00     | 5,00E-01     | 2,64E-01     |
| 49            | 4,75E+00                   | 2,64E+00     | 1,78E+00     | 1,05E+00     | 4,65E-01     | 2,45E-01     |
| 50            | 4,36E+00                   | 2,38E+00     | 1,60E+00     | 9,47E-01     | 4,20E-01     | 2,17E-01     |
| 51            | 4,21E+00                   | 2,34E+00     | 1,61E+00     | 9,57E-01     | 3,56E-01     | 1,85E-01     |
| 52            | 3,61E+00                   | 2,10E+00     | 1,45E+00     | 8,33E-01     | 3,55E-01     | 1,76E-01     |
| 53            | 3,73E+00                   | 2,07E+00     | 1,24E+00     | 7,12E-01     | 3,36E-01     | 1,65E-01     |
| 54            | 3,63E+00                   | 2,07E+00     | 1,36E+00     | 7,79E-01     | 3,95E-01     | 1,88E-01     |
| 55            | 4,05E+00                   | 2,19E+00     | 1,31E+00     | 6,96E-01     | 3,97E-01     | 1,75E-01     |
| 56            | 4,78E+00                   | 2,49E+00     | 1,49E+00     | 7,64E-01     | 3,66E-01     | 1,78E-01     |
| 57            | 5,43E+00                   | 2,75E+00     | 1,54E+00     | 8,19E-01     | 1,93E-01     | 1,05E-01     |
| 58            | 4,10E+00                   | 1,77E+00     | 1,42E+00     | 7,74E-01     | 2,71E-01     | 1,29E-01     |
| 59            | 3,56E+00                   | 2,18E+00     | 9,15E-01     | 3,52E-01     | 1,92E-01     | 6,98E-02     |
| 60            | 2,46E+00                   | 1,72E+00     | 1,08E+00     | 3,57E-01     | 4,05E-02     | 9,98E-03     |
| 61            | 3,84E+00                   | 1,30E+00     | 2,30E-01     | 9,34E-02     | 1,52E+00     | 3,50E-01     |
| 62            | 1,40E+02                   | 3,88E+01     | 2,41E+00     | 1,86E+00     | 2,70E+00     | 4,90E-01     |
| 63            | 2,35E+02                   | 6,22E+01     | 7,81E+00     | 5,60E+00     | 3,94E-01     | 5,91E-02     |
| 64            | 2,33E+01                   | 7,87E+00     | 1,35E+00     | 9,49E-01     | 9,00E-03     | 9,45E-04     |
| 65            | 5,13E-01                   | 1,04E-01     | 2,28E-02     | 1,76E-02     | 7,74E-04     | 1,03E-04     |
| 66            | 8,61E-02                   | 2,09E-02     | 2,26E-03     | 1,92E-03     | 1,14E-04     | 5,18E-05     |
| 67            | 3,46E-02                   | 9,81E-03     | 3,16E-04     | 7,45E-04     | 0,00E+00     | 0,00E+00     |
| 68            | 1,51E-02                   | 4,57E-03     | 5,46E-04     | 3,86E-04     | 0,00E+00     | 0,00E+00     |
| 69            | 7,23E-03                   | 2,09E-03     | 1,15E-04     | 1,78E-04     | 0,00E+00     | 0,00E+00     |
| 70            | 2,57E-03                   | 5,49E-04     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |

<sup>208</sup>Pb(p, xp) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |               |               |               |
|---------------|----------------------------|--------------|---------------|---------------|---------------|
|               | Angle (°) 85               | Angle (°) 95 | Angle (°) 115 | Angle (°) 135 | Angle (°) 155 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 3             | 0,00E+00                   | 7,60E-06     | 0,00E+00      | 0,00E+00      | 7,90E-06      |
| 4             | 2,13E-02                   | 1,42E-02     | 2,71E-03      | 1,01E-03      | 1,35E-02      |
| 5             | 8,30E-02                   | 9,65E-02     | 5,90E-02      | 3,72E-02      | 4,95E-02      |
| 6             | 1,14E-01                   | 1,28E-01     | 8,69E-02      | 6,18E-02      | 7,15E-02      |
| 7             | 6,81E-02                   | 1,06E-01     | 5,10E-02      | 8,76E-02      | 8,86E-02      |
| 8             | 1,21E-01                   | 1,72E-01     | 8,95E-02      | 1,16E-01      | 1,54E-01      |
| 9             | 2,18E-01                   | 2,11E-01     | 1,75E-01      | 1,51E-01      | 1,43E-01      |
| 10            | 4,47E-01                   | 3,08E-01     | 2,12E-01      | 1,59E-01      | 3,61E-01      |
| 11            | 8,43E-01                   | 5,94E-01     | 4,86E-01      | 6,22E-01      | 5,72E-01      |
| 12            | 1,05E+00                   | 8,48E-01     | 9,05E-01      | 7,95E-01      | 5,99E-01      |
| 13            | 1,07E+00                   | 9,58E-01     | 8,87E-01      | 7,16E-01      | 5,92E-01      |
| 14            | 1,10E+00                   | 9,86E-01     | 8,54E-01      | 7,17E-01      | 5,65E-01      |
| 15            | 1,17E+00                   | 1,02E+00     | 8,85E-01      | 7,24E-01      | 5,64E-01      |
| 16            | 1,21E+00                   | 1,07E+00     | 8,90E-01      | 6,73E-01      | 5,31E-01      |
| 17            | 1,17E+00                   | 1,03E+00     | 8,97E-01      | 6,34E-01      | 5,15E-01      |
| 18            | 1,26E+00                   | 1,05E+00     | 8,26E-01      | 5,71E-01      | 4,83E-01      |
| 19            | 1,16E+00                   | 1,01E+00     | 8,12E-01      | 5,18E-01      | 4,22E-01      |
| 20            | 1,16E+00                   | 9,98E-01     | 7,41E-01      | 4,61E-01      | 4,06E-01      |
| 21            | 1,09E+00                   | 9,27E-01     | 6,84E-01      | 4,12E-01      | 3,62E-01      |
| 22            | 1,08E+00                   | 8,52E-01     | 6,57E-01      | 3,65E-01      | 3,29E-01      |
| 23            | 1,07E+00                   | 8,34E-01     | 5,72E-01      | 3,33E-01      | 2,67E-01      |
| 24            | 9,81E-01                   | 7,91E-01     | 5,62E-01      | 2,92E-01      | 2,65E-01      |
| 25            | 8,93E-01                   | 7,27E-01     | 5,05E-01      | 2,67E-01      | 2,25E-01      |
| 26            | 8,91E-01                   | 6,90E-01     | 4,60E-01      | 2,32E-01      | 1,93E-01      |
| 27            | 8,70E-01                   | 6,67E-01     | 4,13E-01      | 2,19E-01      | 1,77E-01      |
| 28            | 7,92E-01                   | 5,99E-01     | 3,98E-01      | 1,85E-01      | 1,56E-01      |
| 29            | 8,22E-01                   | 5,72E-01     | 3,48E-01      | 1,70E-01      | 1,46E-01      |
| 30            | 6,91E-01                   | 5,24E-01     | 3,06E-01      | 1,49E-01      | 1,21E-01      |
| 31            | 7,10E-01                   | 4,76E-01     | 2,81E-01      | 1,31E-01      | 1,09E-01      |
| 32            | 6,39E-01                   | 4,46E-01     | 2,60E-01      | 1,12E-01      | 9,95E-02      |
| 33            | 6,62E-01                   | 4,20E-01     | 2,25E-01      | 1,04E-01      | 8,33E-02      |
| 34            | 5,39E-01                   | 3,82E-01     | 2,04E-01      | 9,23E-02      | 7,66E-02      |
| 35            | 5,60E-01                   | 3,55E-01     | 1,87E-01      | 7,94E-02      | 6,73E-02      |
| 36            | 5,40E-01                   | 3,16E-01     | 1,71E-01      | 6,87E-02      | 5,89E-02      |
| 37            | 4,68E-01                   | 2,83E-01     | 1,47E-01      | 6,31E-02      | 5,18E-02      |
| 38            | 4,55E-01                   | 2,66E-01     | 1,41E-01      | 5,38E-02      | 4,70E-02      |
| 39            | 4,24E-01                   | 2,36E-01     | 1,14E-01      | 4,66E-02      | 3,77E-02      |
| 40            | 4,02E-01                   | 2,09E-01     | 1,04E-01      | 4,07E-02      | 3,24E-02      |
| 41            | 3,47E-01                   | 1,87E-01     | 9,54E-02      | 3,60E-02      | 3,27E-02      |
| 42            | 3,47E-01                   | 1,81E-01     | 8,47E-02      | 3,01E-02      | 2,62E-02      |
| 43            | 2,94E-01                   | 1,51E-01     | 7,64E-02      | 2,73E-02      | 2,29E-02      |
| 44            | 2,76E-01                   | 1,39E-01     | 6,92E-02      | 2,30E-02      | 1,75E-02      |
| 45            | 2,68E-01                   | 1,19E-01     | 5,83E-02      | 1,95E-02      | 1,63E-02      |
| 46            | 2,44E-01                   | 1,10E-01     | 5,03E-02      | 1,74E-02      | 1,44E-02      |
| 47            | 2,33E-01                   | 1,03E-01     | 4,63E-02      | 1,51E-02      | 1,20E-02      |
| 48            | 2,04E-01                   | 8,84E-02     | 4,32E-02      | 1,24E-02      | 1,10E-02      |
| 49            | 2,01E-01                   | 7,67E-02     | 3,73E-02      | 1,11E-02      | 9,23E-03      |
| 50            | 1,68E-01                   | 6,91E-02     | 3,02E-02      | 9,21E-03      | 7,07E-03      |
| 51            | 1,53E-01                   | 6,39E-02     | 2,71E-02      | 8,04E-03      | 5,92E-03      |
| 52            | 1,39E-01                   | 5,85E-02     | 2,37E-02      | 6,16E-03      | 4,95E-03      |
| 53            | 1,17E-01                   | 4,96E-02     | 1,80E-02      | 5,66E-03      | 3,64E-03      |
| 54            | 1,06E-01                   | 4,23E-02     | 1,61E-02      | 5,38E-03      | 3,31E-03      |
| 55            | 9,89E-02                   | 3,83E-02     | 1,67E-02      | 5,21E-03      | 2,43E-03      |
| 56            | 1,09E-01                   | 4,23E-02     | 1,66E-02      | 4,38E-03      | 2,91E-03      |
| 57            | 1,01E-01                   | 3,92E-02     | 1,51E-02      | 3,35E-03      | 2,23E-03      |
| 58            | 9,74E-02                   | 3,23E-02     | 1,02E-02      | 3,48E-03      | 2,23E-03      |
| 59            | 5,09E-02                   | 4,00E-02     | 1,63E-02      | 3,45E-03      | 1,94E-03      |
| 60            | 5,95E-02                   | 1,81E-02     | 5,84E-03      | 1,86E-03      | 7,63E-04      |
| 61            | 8,61E-03                   | 5,17E-02     | 5,61E-03      | 7,55E-03      | 3,53E-03      |
| 62            | 3,19E-01                   | 2,60E-01     | 7,06E-02      | 1,51E-02      | 3,67E-03      |
| 63            | 3,31E-01                   | 4,78E-02     | 3,42E-02      | 4,18E-03      | 1,68E-03      |
| 64            | 3,47E-03                   | 1,33E-03     | 3,38E-03      | 1,28E-04      | 1,57E-04      |
| 65            | 0,00E+00                   | 1,23E-05     | 1,77E-05      | 0,00E+00      | 4,40E-06      |
| 66            | 0,00E+00                   | 5,17E-05     | 3,48E-05      | 0,00E+00      | 0,00E+00      |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 68            | 0,00E+00                   | 0,00E+00     | 3,36E-05      | 0,00E+00      | 0,00E+00      |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |

<sup>208</sup>Pb(p,xd) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |              |              |              |              |
|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
|               | Angle (°) 25               | Angle (°) 35 | Angle (°) 45 | Angle (°) 55 | Angle (°) 65 | Angle (°) 75 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 4             | 2,56E-05                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 1,83E-05     | 2,75E-05     |
| 5             | 4,82E-03                   | 2,68E-03     | 1,83E-03     | 2,47E-03     | 3,70E-03     | 3,12E-03     |
| 6             | 4,47E-02                   | 3,21E-02     | 1,85E-02     | 1,72E-02     | 1,59E-02     | 1,24E-02     |
| 7             | 4,99E-02                   | 3,75E-02     | 2,65E-02     | 2,61E-02     | 2,01E-02     | 1,71E-02     |
| 8             | 6,30E-02                   | 5,32E-02     | 5,09E-02     | 4,59E-02     | 3,25E-02     | 2,64E-02     |
| 9             | 1,05E-01                   | 8,97E-02     | 5,58E-02     | 4,70E-02     | 6,17E-02     | 5,29E-02     |
| 10            | 1,74E-01                   | 1,37E-01     | 5,30E-02     | 5,41E-02     | 1,07E-01     | 9,07E-02     |
| 11            | 2,44E-01                   | 2,01E-01     | 1,01E-01     | 9,13E-02     | 1,48E-01     | 1,26E-01     |
| 12            | 2,60E-01                   | 2,28E-01     | 1,54E-01     | 1,29E-01     | 1,79E-01     | 1,49E-01     |
| 13            | 2,67E-01                   | 2,42E-01     | 2,11E-01     | 1,76E-01     | 1,66E-01     | 1,35E-01     |
| 14            | 3,48E-01                   | 3,18E-01     | 2,57E-01     | 2,21E-01     | 2,14E-01     | 1,74E-01     |
| 15            | 4,38E-01                   | 3,91E-01     | 3,07E-01     | 2,55E-01     | 2,51E-01     | 2,02E-01     |
| 16            | 4,76E-01                   | 4,23E-01     | 3,44E-01     | 2,83E-01     | 2,75E-01     | 2,18E-01     |
| 17            | 5,40E-01                   | 4,79E-01     | 3,75E-01     | 3,13E-01     | 2,82E-01     | 2,23E-01     |
| 18            | 5,58E-01                   | 4,96E-01     | 4,01E-01     | 3,31E-01     | 2,93E-01     | 2,27E-01     |
| 19            | 5,79E-01                   | 5,13E-01     | 4,30E-01     | 3,40E-01     | 2,95E-01     | 2,27E-01     |
| 20            | 5,97E-01                   | 5,25E-01     | 4,34E-01     | 3,49E-01     | 2,98E-01     | 2,24E-01     |
| 21            | 6,18E-01                   | 5,37E-01     | 4,48E-01     | 3,59E-01     | 2,85E-01     | 2,15E-01     |
| 22            | 6,01E-01                   | 5,29E-01     | 4,51E-01     | 3,55E-01     | 2,85E-01     | 2,11E-01     |
| 23            | 6,31E-01                   | 5,38E-01     | 4,61E-01     | 3,49E-01     | 2,71E-01     | 1,91E-01     |
| 24            | 6,04E-01                   | 5,20E-01     | 4,50E-01     | 3,48E-01     | 2,55E-01     | 1,83E-01     |
| 25            | 6,15E-01                   | 5,21E-01     | 4,35E-01     | 3,36E-01     | 2,42E-01     | 1,76E-01     |
| 26            | 6,06E-01                   | 5,01E-01     | 4,11E-01     | 3,31E-01     | 2,30E-01     | 1,65E-01     |
| 27            | 6,22E-01                   | 5,13E-01     | 4,20E-01     | 3,13E-01     | 2,18E-01     | 1,52E-01     |
| 28            | 5,92E-01                   | 4,95E-01     | 4,16E-01     | 3,08E-01     | 2,06E-01     | 1,43E-01     |
| 29            | 5,85E-01                   | 4,71E-01     | 4,03E-01     | 2,94E-01     | 1,86E-01     | 1,25E-01     |
| 30            | 5,90E-01                   | 4,66E-01     | 3,82E-01     | 2,83E-01     | 1,84E-01     | 1,24E-01     |
| 31            | 5,50E-01                   | 4,43E-01     | 3,78E-01     | 2,70E-01     | 1,65E-01     | 1,10E-01     |
| 32            | 5,32E-01                   | 4,20E-01     | 3,57E-01     | 2,57E-01     | 1,59E-01     | 1,06E-01     |
| 33            | 5,59E-01                   | 4,29E-01     | 3,55E-01     | 2,49E-01     | 1,43E-01     | 9,13E-02     |
| 34            | 5,43E-01                   | 4,11E-01     | 3,24E-01     | 2,29E-01     | 1,35E-01     | 8,48E-02     |
| 35            | 5,30E-01                   | 4,06E-01     | 3,30E-01     | 2,29E-01     | 1,27E-01     | 8,38E-02     |
| 36            | 5,32E-01                   | 3,86E-01     | 3,03E-01     | 2,05E-01     | 1,18E-01     | 7,60E-02     |
| 37            | 5,18E-01                   | 3,72E-01     | 2,99E-01     | 2,01E-01     | 1,16E-01     | 6,98E-02     |
| 38            | 4,82E-01                   | 3,53E-01     | 2,91E-01     | 1,87E-01     | 1,00E-01     | 6,30E-02     |
| 39            | 5,19E-01                   | 3,74E-01     | 2,82E-01     | 1,81E-01     | 9,39E-02     | 5,78E-02     |
| 40            | 4,76E-01                   | 3,42E-01     | 2,81E-01     | 1,77E-01     | 9,06E-02     | 5,40E-02     |
| 41            | 5,12E-01                   | 3,51E-01     | 2,58E-01     | 1,54E-01     | 8,47E-02     | 4,98E-02     |
| 42            | 4,80E-01                   | 3,49E-01     | 2,53E-01     | 1,49E-01     | 7,73E-02     | 4,42E-02     |
| 43            | 5,16E-01                   | 3,23E-01     | 2,29E-01     | 1,38E-01     | 7,15E-02     | 4,24E-02     |
| 44            | 5,03E-01                   | 3,19E-01     | 2,19E-01     | 1,32E-01     | 6,75E-02     | 3,89E-02     |
| 45            | 5,07E-01                   | 3,18E-01     | 2,21E-01     | 1,18E-01     | 5,97E-02     | 3,38E-02     |
| 46            | 4,97E-01                   | 3,13E-01     | 2,15E-01     | 1,11E-01     | 5,66E-02     | 3,32E-02     |
| 47            | 5,14E-01                   | 3,20E-01     | 1,98E-01     | 1,07E-01     | 5,09E-02     | 3,16E-02     |
| 48            | 5,46E-01                   | 3,29E-01     | 2,03E-01     | 1,03E-01     | 5,43E-02     | 3,11E-02     |
| 49            | 5,67E-01                   | 3,27E-01     | 1,98E-01     | 1,01E-01     | 5,16E-02     | 2,83E-02     |
| 50            | 4,98E-01                   | 2,95E-01     | 1,96E-01     | 9,94E-02     | 4,77E-02     | 2,61E-02     |
| 51            | 6,24E-01                   | 3,15E-01     | 1,78E-01     | 9,66E-02     | 4,59E-02     | 2,60E-02     |
| 52            | 5,27E-01                   | 3,07E-01     | 1,80E-01     | 8,15E-02     | 3,73E-02     | 2,18E-02     |
| 53            | 3,70E-01                   | 3,68E-01     | 1,21E-01     | 6,03E-02     | 2,98E-02     | 1,81E-02     |
| 54            | 5,59E-01                   | 3,97E-01     | 1,84E-01     | 7,99E-02     | 3,64E-02     | 2,04E-02     |
| 55            | 1,16E+00                   | 4,53E-01     | 2,59E-01     | 1,06E-01     | 4,62E-02     | 2,33E-02     |
| 56            | 1,97E+00                   | 7,24E-01     | 4,14E-01     | 1,87E-01     | 9,70E-02     | 5,75E-02     |
| 57            | 1,69E+00                   | 5,55E-01     | 3,37E-01     | 1,43E-01     | 5,78E-02     | 2,08E-02     |
| 58            | 1,26E+00                   | 3,55E-01     | 1,07E-01     | 3,35E-02     | 2,50E-02     | 8,74E-03     |
| 59            | 1,48E-01                   | 4,08E-02     | 2,87E-03     | 5,35E-04     | 1,96E-03     | 4,77E-04     |
| 60            | 3,10E-03                   | 1,01E-03     | 1,15E-04     | 1,27E-04     | 3,48E-05     | 1,45E-05     |
| 61            | 4,43E-04                   | 9,42E-05     | 0,00E+00     | 4,77E-05     | 0,00E+00     | 0,00E+00     |
| 62            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |

<sup>208</sup>Pb(p,xd) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |               |               |               |
|---------------|----------------------------|--------------|---------------|---------------|---------------|
|               | Angle (°) 85               | Angle (°) 95 | Angle (°) 115 | Angle (°) 135 | Angle (°) 155 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 4             | 4,36E-05                   | 4,99E-05     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 5             | 5,48E-03                   | 3,03E-03     | 9,24E-04      | 2,82E-04      | 2,88E-03      |
| 6             | 1,09E-02                   | 1,34E-02     | 8,88E-03      | 4,05E-03      | 4,78E-03      |
| 7             | 1,90E-02                   | 1,98E-02     | 1,18E-02      | 6,88E-03      | 9,39E-03      |
| 8             | 3,65E-02                   | 3,43E-02     | 2,69E-02      | 1,52E-02      | 1,81E-02      |
| 9             | 2,40E-02                   | 5,34E-02     | 2,72E-02      | 2,51E-02      | 3,04E-02      |
| 10            | 5,15E-02                   | 6,20E-02     | 2,89E-02      | 2,96E-02      | 3,91E-02      |
| 11            | 1,15E-01                   | 8,20E-02     | 4,61E-02      | 4,39E-02      | 4,75E-02      |
| 12            | 1,52E-01                   | 9,32E-02     | 5,98E-02      | 5,87E-02      | 3,87E-02      |
| 13            | 1,69E-01                   | 1,04E-01     | 7,90E-02      | 6,02E-02      | 5,42E-02      |
| 14            | 1,78E-01                   | 1,16E-01     | 9,18E-02      | 7,16E-02      | 5,56E-02      |
| 15            | 1,88E-01                   | 1,31E-01     | 1,00E-01      | 7,46E-02      | 5,86E-02      |
| 16            | 1,84E-01                   | 1,36E-01     | 1,02E-01      | 7,87E-02      | 5,56E-02      |
| 17            | 1,93E-01                   | 1,39E-01     | 1,07E-01      | 7,27E-02      | 5,54E-02      |
| 18            | 1,81E-01                   | 1,40E-01     | 1,06E-01      | 7,01E-02      | 5,23E-02      |
| 19            | 1,70E-01                   | 1,35E-01     | 1,02E-01      | 6,53E-02      | 4,71E-02      |
| 20            | 1,70E-01                   | 1,30E-01     | 9,34E-02      | 6,01E-02      | 4,51E-02      |
| 21            | 1,63E-01                   | 1,27E-01     | 9,29E-02      | 5,55E-02      | 4,25E-02      |
| 22            | 1,53E-01                   | 1,15E-01     | 8,22E-02      | 4,87E-02      | 3,66E-02      |
| 23            | 1,36E-01                   | 1,11E-01     | 8,02E-02      | 4,20E-02      | 3,58E-02      |
| 24            | 1,31E-01                   | 1,06E-01     | 6,91E-02      | 3,89E-02      | 2,96E-02      |
| 25            | 1,23E-01                   | 9,48E-02     | 6,33E-02      | 3,40E-02      | 2,65E-02      |
| 26            | 1,18E-01                   | 8,78E-02     | 5,76E-02      | 3,06E-02      | 2,40E-02      |
| 27            | 1,07E-01                   | 8,06E-02     | 5,16E-02      | 2,66E-02      | 1,92E-02      |
| 28            | 9,51E-02                   | 7,47E-02     | 4,60E-02      | 2,38E-02      | 1,87E-02      |
| 29            | 9,15E-02                   | 6,63E-02     | 4,38E-02      | 2,02E-02      | 1,51E-02      |
| 30            | 8,72E-02                   | 5,99E-02     | 3,90E-02      | 1,71E-02      | 1,28E-02      |
| 31            | 7,77E-02                   | 5,36E-02     | 3,15E-02      | 1,42E-02      | 1,21E-02      |
| 32            | 7,37E-02                   | 5,07E-02     | 2,92E-02      | 1,26E-02      | 9,71E-03      |
| 33            | 6,98E-02                   | 4,44E-02     | 2,97E-02      | 1,12E-02      | 8,73E-03      |
| 34            | 6,08E-02                   | 3,91E-02     | 2,67E-02      | 9,37E-03      | 6,45E-03      |
| 35            | 6,26E-02                   | 3,74E-02     | 2,07E-02      | 8,11E-03      | 6,24E-03      |
| 36            | 5,38E-02                   | 3,30E-02     | 1,82E-02      | 7,46E-03      | 4,98E-03      |
| 37            | 4,51E-02                   | 3,04E-02     | 1,74E-02      | 6,06E-03      | 4,44E-03      |
| 38            | 4,71E-02                   | 2,68E-02     | 1,38E-02      | 5,49E-03      | 3,88E-03      |
| 39            | 4,12E-02                   | 2,37E-02     | 1,23E-02      | 4,31E-03      | 3,49E-03      |
| 40            | 3,79E-02                   | 2,14E-02     | 1,26E-02      | 3,80E-03      | 2,96E-03      |
| 41            | 3,66E-02                   | 1,89E-02     | 8,24E-03      | 3,59E-03      | 2,33E-03      |
| 42            | 3,20E-02                   | 1,58E-02     | 8,82E-03      | 3,00E-03      | 2,09E-03      |
| 43            | 2,93E-02                   | 1,58E-02     | 7,86E-03      | 2,63E-03      | 1,77E-03      |
| 44            | 2,62E-02                   | 1,37E-02     | 7,08E-03      | 2,12E-03      | 1,31E-03      |
| 45            | 2,62E-02                   | 1,26E-02     | 6,40E-03      | 2,04E-03      | 1,20E-03      |
| 46            | 2,18E-02                   | 1,01E-02     | 5,50E-03      | 1,58E-03      | 1,08E-03      |
| 47            | 1,79E-02                   | 9,56E-03     | 4,57E-03      | 1,44E-03      | 8,74E-04      |
| 48            | 1,93E-02                   | 9,11E-03     | 4,30E-03      | 1,25E-03      | 7,88E-04      |
| 49            | 1,96E-02                   | 8,28E-03     | 2,58E-03      | 1,06E-03      | 5,07E-04      |
| 50            | 1,54E-02                   | 7,70E-03     | 4,09E-03      | 7,74E-04      | 4,92E-04      |
| 51            | 1,66E-02                   | 6,83E-03     | 2,54E-03      | 9,18E-04      | 4,37E-04      |
| 52            | 1,59E-02                   | 5,27E-03     | 3,23E-03      | 2,05E-03      | 4,00E-04      |
| 53            | 1,51E-02                   | 5,72E-03     | 3,34E-03      | 2,60E-04      | 4,21E-04      |
| 54            | 1,11E-02                   | 4,78E-03     | 7,24E-04      | 1,98E-04      | 6,46E-04      |
| 55            | 2,67E-02                   | 1,43E-02     | 6,65E-03      | 3,84E-04      | 2,46E-04      |
| 56            | 2,14E-02                   | 4,40E-03     | 2,16E-03      | 2,88E-04      | 4,30E-06      |
| 57            | 6,56E-03                   | 8,29E-04     | 4,33E-04      | 3,43E-05      | 0,00E+00      |
| 58            | 6,01E-04                   | 6,89E-05     | 0,00E+00      | 2,49E-05      | 0,00E+00      |
| 59            | 3,65E-05                   | 6,22E-05     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 60            | 0,00E+00                   | 8,50E-06     | 1,53E-04      | 0,00E+00      | 0,00E+00      |
| 61            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 62            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |

<sup>208</sup>Pb(p,xt) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |              |              |              |              |
|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
|               | Angle (°) 25               | Angle (°) 35 | Angle (°) 45 | Angle (°) 55 | Angle (°) 65 | Angle (°) 75 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 4             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 5             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 1,75E-05     | 0,00E+00     |
| 6             | 6,43E-03                   | 4,33E-03     | 1,65E-03     | 2,77E-03     | 4,23E-03     | 2,97E-03     |
| 7             | 1,74E-02                   | 1,32E-02     | 9,12E-03     | 8,09E-03     | 6,39E-03     | 5,60E-03     |
| 8             | 2,15E-02                   | 1,85E-02     | 1,60E-02     | 1,45E-02     | 1,05E-02     | 9,04E-03     |
| 9             | 3,59E-02                   | 3,28E-02     | 4,04E-02     | 3,65E-02     | 2,30E-02     | 1,98E-02     |
| 10            | 7,21E-02                   | 6,85E-02     | 7,26E-02     | 6,81E-02     | 4,67E-02     | 3,89E-02     |
| 11            | 1,23E-01                   | 1,11E-01     | 5,66E-02     | 4,84E-02     | 7,17E-02     | 5,78E-02     |
| 12            | 1,74E-01                   | 1,48E-01     | 9,17E-02     | 7,72E-02     | 9,39E-02     | 7,59E-02     |
| 13            | 1,97E-01                   | 1,67E-01     | 1,31E-01     | 1,05E-01     | 1,11E-01     | 8,88E-02     |
| 14            | 2,03E-01                   | 1,79E-01     | 1,54E-01     | 1,26E-01     | 1,39E-01     | 1,08E-01     |
| 15            | 1,61E-01                   | 1,52E-01     | 1,80E-01     | 1,49E-01     | 1,09E-01     | 8,34E-02     |
| 16            | 1,97E-01                   | 1,80E-01     | 1,90E-01     | 1,61E-01     | 1,21E-01     | 9,26E-02     |
| 17            | 2,26E-01                   | 2,06E-01     | 2,07E-01     | 1,61E-01     | 1,26E-01     | 9,63E-02     |
| 18            | 2,31E-01                   | 2,13E-01     | 2,07E-01     | 1,68E-01     | 1,28E-01     | 9,60E-02     |
| 19            | 2,45E-01                   | 2,19E-01     | 2,08E-01     | 1,57E-01     | 1,22E-01     | 9,21E-02     |
| 20            | 2,48E-01                   | 2,24E-01     | 2,11E-01     | 1,61E-01     | 1,20E-01     | 8,98E-02     |
| 21            | 2,53E-01                   | 2,23E-01     | 1,94E-01     | 1,51E-01     | 1,13E-01     | 8,30E-02     |
| 22            | 2,43E-01                   | 2,08E-01     | 1,96E-01     | 1,49E-01     | 1,01E-01     | 7,50E-02     |
| 23            | 2,47E-01                   | 2,08E-01     | 1,73E-01     | 1,34E-01     | 9,96E-02     | 6,82E-02     |
| 24            | 2,39E-01                   | 2,01E-01     | 1,75E-01     | 1,32E-01     | 9,10E-02     | 6,66E-02     |
| 25            | 2,27E-01                   | 1,94E-01     | 1,63E-01     | 1,22E-01     | 8,04E-02     | 5,58E-02     |
| 26            | 2,28E-01                   | 1,85E-01     | 1,44E-01     | 1,14E-01     | 7,69E-02     | 5,39E-02     |
| 27            | 2,18E-01                   | 1,77E-01     | 1,45E-01     | 1,03E-01     | 6,65E-02     | 4,72E-02     |
| 28            | 2,05E-01                   | 1,68E-01     | 1,33E-01     | 9,87E-02     | 6,23E-02     | 4,35E-02     |
| 29            | 2,01E-01                   | 1,57E-01     | 1,33E-01     | 9,16E-02     | 5,83E-02     | 4,02E-02     |
| 30            | 1,80E-01                   | 1,45E-01     | 1,25E-01     | 8,62E-02     | 5,09E-02     | 3,42E-02     |
| 31            | 1,85E-01                   | 1,45E-01     | 1,12E-01     | 7,59E-02     | 4,70E-02     | 3,03E-02     |
| 32            | 1,71E-01                   | 1,37E-01     | 1,02E-01     | 7,25E-02     | 4,48E-02     | 2,84E-02     |
| 33            | 1,59E-01                   | 1,25E-01     | 9,98E-02     | 6,41E-02     | 3,74E-02     | 2,51E-02     |
| 34            | 1,58E-01                   | 1,15E-01     | 9,41E-02     | 6,09E-02     | 3,72E-02     | 2,22E-02     |
| 35            | 1,51E-01                   | 1,11E-01     | 8,36E-02     | 5,89E-02     | 3,46E-02     | 1,98E-02     |
| 36            | 1,43E-01                   | 1,09E-01     | 8,07E-02     | 5,26E-02     | 3,04E-02     | 1,82E-02     |
| 37            | 1,39E-01                   | 9,77E-02     | 7,05E-02     | 4,95E-02     | 2,76E-02     | 1,63E-02     |
| 38            | 1,33E-01                   | 9,25E-02     | 7,04E-02     | 4,29E-02     | 2,44E-02     | 1,55E-02     |
| 39            | 1,30E-01                   | 9,16E-02     | 6,54E-02     | 4,10E-02     | 2,34E-02     | 1,25E-02     |
| 40            | 1,27E-01                   | 9,18E-02     | 6,28E-02     | 3,87E-02     | 2,17E-02     | 1,22E-02     |
| 41            | 1,22E-01                   | 8,03E-02     | 6,06E-02     | 3,46E-02     | 1,95E-02     | 1,12E-02     |
| 42            | 1,18E-01                   | 7,93E-02     | 4,73E-02     | 3,36E-02     | 1,70E-02     | 8,97E-03     |
| 43            | 1,13E-01                   | 7,55E-02     | 4,89E-02     | 3,05E-02     | 1,50E-02     | 8,24E-03     |
| 44            | 1,19E-01                   | 7,27E-02     | 4,74E-02     | 2,85E-02     | 1,43E-02     | 8,20E-03     |
| 45            | 1,11E-01                   | 6,92E-02     | 4,47E-02     | 2,43E-02     | 1,34E-02     | 7,34E-03     |
| 46            | 1,07E-01                   | 6,42E-02     | 4,30E-02     | 2,37E-02     | 1,14E-02     | 5,82E-03     |
| 47            | 1,13E-01                   | 6,37E-02     | 4,46E-02     | 2,26E-02     | 1,10E-02     | 5,85E-03     |
| 48            | 1,05E-01                   | 6,17E-02     | 4,00E-02     | 2,24E-02     | 1,01E-02     | 5,24E-03     |
| 49            | 1,07E-01                   | 5,89E-02     | 3,38E-02     | 2,02E-02     | 9,25E-03     | 5,00E-03     |
| 50            | 1,03E-01                   | 5,82E-02     | 3,51E-02     | 1,83E-02     | 8,89E-03     | 4,45E-03     |
| 51            | 9,32E-02                   | 5,30E-02     | 3,08E-02     | 1,41E-02     | 7,30E-03     | 3,88E-03     |
| 52            | 9,76E-02                   | 5,49E-02     | 3,51E-02     | 1,85E-02     | 8,39E-03     | 3,92E-03     |
| 53            | 1,06E-01                   | 5,61E-02     | 2,87E-02     | 1,47E-02     | 8,33E-03     | 4,59E-03     |
| 54            | 8,68E-02                   | 3,65E-02     | 2,33E-02     | 1,12E-02     | 5,34E-03     | 2,53E-03     |
| 55            | 9,47E-02                   | 3,86E-02     | 3,25E-02     | 1,54E-02     | 5,26E-03     | 2,72E-03     |
| 56            | 2,21E-01                   | 8,05E-02     | 4,43E-02     | 2,06E-02     | 7,48E-03     | 3,78E-03     |
| 57            | 1,30E-01                   | 4,96E-02     | 1,94E-02     | 8,37E-03     | 6,43E-03     | 3,10E-03     |
| 58            | 5,88E-02                   | 2,19E-02     | 1,21E-02     | 4,17E-03     | 2,95E-03     | 1,06E-03     |
| 59            | 2,54E-02                   | 1,16E-02     | 5,01E-03     | 2,53E-03     | 1,70E-03     | 7,91E-04     |
| 60            | 7,87E-03                   | 1,78E-03     | 5,46E-04     | 3,05E-04     | 1,06E-03     | 2,67E-04     |
| 61            | 6,53E-04                   | 5,93E-05     | 0,00E+00     | 0,00E+00     | 4,36E-05     | 0,00E+00     |
| 62            | 0,00E+00                   | 2,65E-05     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |

<sup>208</sup>Pb(p,xt) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |               |               |               |
|---------------|----------------------------|--------------|---------------|---------------|---------------|
|               | Angle (°) 85               | Angle (°) 95 | Angle (°) 115 | Angle (°) 135 | Angle (°) 155 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 4             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 5             | 1,08E-04                   | 1,07E-05     | 0,00E+00      | 0,00E+00      | 2,31E-04      |
| 6             | 3,83E-03                   | 2,92E-03     | 8,60E-04      | 5,46E-04      | 1,82E-03      |
| 7             | 6,22E-03                   | 7,06E-03     | 3,60E-03      | 2,09E-03      | 2,99E-03      |
| 8             | 1,44E-02                   | 1,26E-02     | 8,65E-03      | 5,15E-03      | 7,00E-03      |
| 9             | 2,79E-02                   | 2,50E-02     | 2,28E-02      | 1,12E-02      | 1,38E-02      |
| 10            | 4,62E-02                   | 4,32E-02     | 3,51E-02      | 2,04E-02      | 2,07E-02      |
| 11            | 4,66E-02                   | 4,22E-02     | 1,99E-02      | 2,37E-02      | 2,01E-02      |
| 12            | 7,78E-02                   | 4,68E-02     | 3,20E-02      | 2,20E-02      | 2,24E-02      |
| 13            | 8,87E-02                   | 5,28E-02     | 3,85E-02      | 2,80E-02      | 2,42E-02      |
| 14            | 8,41E-02                   | 5,52E-02     | 4,42E-02      | 3,01E-02      | 1,53E-02      |
| 15            | 8,50E-02                   | 5,04E-02     | 4,78E-02      | 2,83E-02      | 2,21E-02      |
| 16            | 8,07E-02                   | 5,44E-02     | 4,81E-02      | 2,82E-02      | 2,17E-02      |
| 17            | 7,65E-02                   | 5,25E-02     | 4,51E-02      | 2,72E-02      | 2,02E-02      |
| 18            | 7,19E-02                   | 5,43E-02     | 4,29E-02      | 2,45E-02      | 1,93E-02      |
| 19            | 6,73E-02                   | 5,21E-02     | 3,80E-02      | 2,34E-02      | 1,69E-02      |
| 20            | 6,05E-02                   | 4,87E-02     | 3,89E-02      | 2,06E-02      | 1,47E-02      |
| 21            | 5,58E-02                   | 4,76E-02     | 2,71E-02      | 1,85E-02      | 1,44E-02      |
| 22            | 5,18E-02                   | 4,34E-02     | 2,86E-02      | 1,60E-02      | 1,21E-02      |
| 23            | 4,89E-02                   | 4,01E-02     | 2,45E-02      | 1,46E-02      | 1,04E-02      |
| 24            | 4,66E-02                   | 3,65E-02     | 1,98E-02      | 1,18E-02      | 8,30E-03      |
| 25            | 3,84E-02                   | 3,34E-02     | 1,72E-02      | 9,70E-03      | 7,59E-03      |
| 26            | 3,72E-02                   | 2,79E-02     | 1,46E-02      | 8,71E-03      | 6,40E-03      |
| 27            | 3,13E-02                   | 2,66E-02     | 1,35E-02      | 7,53E-03      | 5,78E-03      |
| 28            | 2,86E-02                   | 2,39E-02     | 1,24E-02      | 6,24E-03      | 4,38E-03      |
| 29            | 2,85E-02                   | 2,13E-02     | 1,18E-02      | 5,48E-03      | 4,21E-03      |
| 30            | 2,46E-02                   | 1,93E-02     | 8,87E-03      | 4,37E-03      | 3,51E-03      |
| 31            | 2,29E-02                   | 1,72E-02     | 8,53E-03      | 4,01E-03      | 3,28E-03      |
| 32            | 1,90E-02                   | 1,54E-02     | 6,25E-03      | 3,27E-03      | 2,56E-03      |
| 33            | 1,69E-02                   | 1,38E-02     | 6,65E-03      | 2,71E-03      | 1,87E-03      |
| 34            | 1,64E-02                   | 1,11E-02     | 5,08E-03      | 2,04E-03      | 1,66E-03      |
| 35            | 1,57E-02                   | 1,06E-02     | 3,81E-03      | 2,04E-03      | 1,38E-03      |
| 36            | 1,20E-02                   | 9,19E-03     | 3,65E-03      | 1,58E-03      | 1,28E-03      |
| 37            | 1,23E-02                   | 7,77E-03     | 2,76E-03      | 1,49E-03      | 8,81E-04      |
| 38            | 1,04E-02                   | 7,77E-03     | 2,18E-03      | 1,11E-03      | 8,31E-04      |
| 39            | 1,01E-02                   | 5,80E-03     | 1,65E-03      | 1,06E-03      | 6,70E-04      |
| 40            | 8,01E-03                   | 5,14E-03     | 1,84E-03      | 8,41E-04      | 6,78E-04      |
| 41            | 7,67E-03                   | 4,73E-03     | 1,69E-03      | 7,48E-04      | 3,25E-04      |
| 42            | 7,01E-03                   | 4,28E-03     | 1,63E-03      | 7,77E-04      | 4,36E-04      |
| 43            | 6,07E-03                   | 4,03E-03     | 1,56E-03      | 5,26E-04      | 4,55E-04      |
| 44            | 5,75E-03                   | 3,24E-03     | 1,19E-03      | 4,28E-04      | 4,37E-04      |
| 45            | 4,79E-03                   | 2,75E-03     | 1,04E-03      | 2,46E-04      | 1,86E-04      |
| 46            | 4,77E-03                   | 2,71E-03     | 8,75E-04      | 4,55E-04      | 1,52E-04      |
| 47            | 4,08E-03                   | 2,35E-03     | 8,17E-04      | 3,40E-04      | 1,64E-04      |
| 48            | 3,75E-03                   | 1,79E-03     | 9,17E-04      | 2,22E-04      | 1,18E-04      |
| 49            | 3,14E-03                   | 1,51E-03     | 6,95E-04      | 2,18E-04      | 8,78E-05      |
| 50            | 2,59E-03                   | 1,42E-03     | 3,59E-04      | 1,59E-04      | 6,52E-05      |
| 51            | 2,66E-03                   | 1,55E-03     | 4,30E-04      | 2,69E-04      | 6,29E-05      |
| 52            | 2,47E-03                   | 1,53E-03     | 6,12E-04      | 1,75E-04      | 6,08E-05      |
| 53            | 2,29E-03                   | 1,12E-03     | 6,22E-04      | 1,43E-04      | 3,67E-05      |
| 54            | 1,58E-03                   | 8,54E-04     | 3,55E-04      | 3,18E-05      | 1,51E-05      |
| 55            | 2,07E-03                   | 1,16E-03     | 1,76E-04      | 8,40E-06      | 0,00E+00      |
| 56            | 1,88E-03                   | 5,02E-04     | 0,00E+00      | 4,40E-06      | 8,70E-06      |
| 57            | 8,33E-04                   | 8,02E-05     | 3,36E-05      | 0,00E+00      | 0,00E+00      |
| 58            | 3,74E-04                   | 2,76E-05     | 9,96E-05      | 0,00E+00      | 0,00E+00      |
| 59            | 1,75E-05                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 60            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 61            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 62            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |

<sup>208</sup>Pb(p,x<sup>3</sup>He) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |              |              |              |              |
|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
|               | Angle (°) 25               | Angle (°) 35 | Angle (°) 45 | Angle (°) 55 | Angle (°) 65 | Angle (°) 75 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 4             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 5             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 6             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 7             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 8             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 9             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 10            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 11            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 12            | 0,00E+00                   | 3,72E-04     | 0,00E+00     | 0,00E+00     | 6,08E-04     | 4,63E-04     |
| 13            | 2,60E-03                   | 2,23E-03     | 1,38E-03     | 9,86E-04     | 1,14E-03     | 8,25E-04     |
| 14            | 3,70E-03                   | 2,95E-03     | 2,47E-03     | 1,74E-03     | 1,28E-03     | 9,24E-04     |
| 15            | 4,01E-03                   | 3,03E-03     | 2,03E-03     | 1,60E-03     | 1,36E-03     | 8,27E-04     |
| 16            | 3,95E-03                   | 3,04E-03     | 2,53E-03     | 2,03E-03     | 2,18E-03     | 1,38E-03     |
| 17            | 4,35E-03                   | 3,59E-03     | 4,11E-03     | 3,48E-03     | 2,37E-03     | 2,28E-03     |
| 18            | 4,96E-03                   | 4,06E-03     | 5,38E-03     | 4,44E-03     | 3,52E-03     | 2,75E-03     |
| 19            | 7,23E-03                   | 6,63E-03     | 7,93E-03     | 6,60E-03     | 4,28E-03     | 4,02E-03     |
| 20            | 9,43E-03                   | 7,69E-03     | 9,90E-03     | 7,96E-03     | 5,87E-03     | 5,54E-03     |
| 21            | 1,06E-02                   | 9,34E-03     | 1,10E-02     | 9,37E-03     | 6,90E-03     | 5,65E-03     |
| 22            | 1,42E-02                   | 1,24E-02     | 1,44E-02     | 1,16E-02     | 7,96E-03     | 6,67E-03     |
| 23            | 1,71E-02                   | 1,44E-02     | 1,56E-02     | 1,17E-02     | 9,92E-03     | 7,81E-03     |
| 24            | 1,89E-02                   | 1,61E-02     | 1,50E-02     | 1,11E-02     | 9,82E-03     | 7,92E-03     |
| 25            | 1,97E-02                   | 1,75E-02     | 1,55E-02     | 1,31E-02     | 1,09E-02     | 7,42E-03     |
| 26            | 2,19E-02                   | 1,84E-02     | 1,25E-02     | 9,52E-03     | 1,02E-02     | 7,71E-03     |
| 27            | 2,50E-02                   | 2,04E-02     | 1,39E-02     | 1,12E-02     | 1,15E-02     | 8,62E-03     |
| 28            | 2,49E-02                   | 2,01E-02     | 1,49E-02     | 1,10E-02     | 1,18E-02     | 8,89E-03     |
| 29            | 2,49E-02                   | 2,10E-02     | 1,67E-02     | 1,32E-02     | 1,14E-02     | 8,27E-03     |
| 30            | 2,77E-02                   | 2,19E-02     | 1,74E-02     | 1,32E-02     | 1,17E-02     | 8,56E-03     |
| 31            | 2,63E-02                   | 2,08E-02     | 1,64E-02     | 1,27E-02     | 1,16E-02     | 8,55E-03     |
| 32            | 2,62E-02                   | 2,04E-02     | 1,68E-02     | 1,28E-02     | 1,23E-02     | 8,26E-03     |
| 33            | 2,22E-02                   | 1,88E-02     | 1,69E-02     | 1,24E-02     | 9,03E-03     | 6,51E-03     |
| 34            | 2,42E-02                   | 1,90E-02     | 1,74E-02     | 1,34E-02     | 8,31E-03     | 6,15E-03     |
| 35            | 2,48E-02                   | 2,05E-02     | 1,65E-02     | 1,16E-02     | 8,12E-03     | 6,20E-03     |
| 36            | 2,70E-02                   | 2,18E-02     | 1,58E-02     | 1,16E-02     | 7,82E-03     | 6,05E-03     |
| 37            | 2,63E-02                   | 2,05E-02     | 1,66E-02     | 1,08E-02     | 8,23E-03     | 5,57E-03     |
| 38            | 2,46E-02                   | 1,99E-02     | 1,53E-02     | 1,05E-02     | 7,33E-03     | 5,59E-03     |
| 39            | 2,64E-02                   | 2,07E-02     | 1,35E-02     | 9,92E-03     | 7,37E-03     | 4,74E-03     |
| 40            | 2,99E-02                   | 1,89E-02     | 1,42E-02     | 9,42E-03     | 7,08E-03     | 4,41E-03     |
| 41            | 2,87E-02                   | 2,01E-02     | 1,28E-02     | 9,21E-03     | 5,98E-03     | 4,00E-03     |
| 42            | 2,59E-02                   | 1,80E-02     | 1,29E-02     | 8,64E-03     | 5,92E-03     | 3,63E-03     |
| 43            | 2,69E-02                   | 1,78E-02     | 1,21E-02     | 8,31E-03     | 5,24E-03     | 3,68E-03     |
| 44            | 2,51E-02                   | 1,71E-02     | 1,18E-02     | 7,62E-03     | 5,20E-03     | 3,07E-03     |
| 45            | 2,51E-02                   | 1,65E-02     | 1,09E-02     | 6,43E-03     | 5,53E-03     | 2,94E-03     |
| 46            | 2,51E-02                   | 1,65E-02     | 1,09E-02     | 6,80E-03     | 4,96E-03     | 2,75E-03     |
| 47            | 2,42E-02                   | 1,54E-02     | 1,00E-02     | 6,17E-03     | 4,59E-03     | 2,65E-03     |
| 48            | 2,20E-02                   | 1,17E-02     | 1,01E-02     | 6,76E-03     | 4,84E-03     | 2,31E-03     |
| 49            | 2,24E-02                   | 1,20E-02     | 9,04E-03     | 5,87E-03     | 4,25E-03     | 1,96E-03     |
| 50            | 2,27E-02                   | 1,14E-02     | 8,91E-03     | 5,28E-03     | 3,81E-03     | 2,04E-03     |
| 51            | 1,98E-02                   | 1,05E-02     | 8,25E-03     | 4,88E-03     | 2,67E-03     | 1,33E-03     |
| 52            | 2,06E-02                   | 9,67E-03     | 6,67E-03     | 3,79E-03     | 2,75E-03     | 1,38E-03     |
| 53            | 2,83E-02                   | 1,28E-02     | 8,32E-03     | 4,33E-03     | 2,74E-03     | 1,55E-03     |
| 54            | 3,71E-02                   | 1,75E-02     | 9,50E-03     | 5,56E-03     | 2,87E-03     | 1,66E-03     |
| 55            | 4,60E-02                   | 2,18E-02     | 1,31E-02     | 7,31E-03     | 3,07E-03     | 2,04E-03     |
| 56            | 3,24E-02                   | 1,46E-02     | 1,39E-02     | 7,04E-03     | 3,14E-03     | 1,36E-03     |
| 57            | 1,87E-02                   | 9,55E-03     | 9,29E-03     | 4,58E-03     | 1,92E-03     | 5,43E-04     |
| 58            | 3,85E-03                   | 1,51E-03     | 5,63E-03     | 2,67E-03     | 6,58E-04     | 2,06E-04     |
| 59            | 5,73E-05                   | 5,17E-05     | 9,15E-04     | 1,38E-04     | 1,21E-04     | 5,63E-05     |
| 60            | 0,00E+00                   | 0,00E+00     | 4,28E-05     | 1,62E-05     | 4,77E-05     | 3,82E-05     |
| 61            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 1,89E-05     | 1,26E-05     |
| 62            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 3,53E-05     | 2,80E-05     |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 1,62E-05     |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |

<sup>208</sup>Pb(p,x<sup>3</sup>He) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |               |               |               |
|---------------|----------------------------|--------------|---------------|---------------|---------------|
|               | Angle (°) 85               | Angle (°) 95 | Angle (°) 115 | Angle (°) 135 | Angle (°) 155 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 4             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 5             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 6             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 7             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 8             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 9             | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 10            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 9,56E-05      |
| 11            | 8,72E-05                   | 3,44E-05     | 0,00E+00      | 0,00E+00      | 1,69E-04      |
| 12            | 7,89E-04                   | 3,56E-04     | 0,00E+00      | 1,57E-04      | 2,99E-04      |
| 13            | 8,69E-04                   | 6,53E-04     | 1,77E-05      | 2,87E-04      | 3,84E-04      |
| 14            | 9,78E-04                   | 1,17E-03     | 5,08E-04      | 3,10E-04      | 6,81E-04      |
| 15            | 1,66E-03                   | 1,28E-03     | 9,51E-04      | 5,73E-04      | 1,37E-03      |
| 16            | 2,22E-03                   | 2,30E-03     | 1,78E-03      | 1,04E-03      | 1,72E-03      |
| 17            | 3,47E-03                   | 2,93E-03     | 2,89E-03      | 1,50E-03      | 2,49E-03      |
| 18            | 3,75E-03                   | 3,08E-03     | 3,69E-03      | 1,99E-03      | 2,50E-03      |
| 19            | 4,66E-03                   | 3,39E-03     | 5,10E-03      | 2,40E-03      | 2,24E-03      |
| 20            | 4,42E-03                   | 3,46E-03     | 4,50E-03      | 2,54E-03      | 2,13E-03      |
| 21            | 5,44E-03                   | 3,58E-03     | 3,10E-03      | 2,42E-03      | 2,06E-03      |
| 22            | 5,38E-03                   | 4,40E-03     | 4,74E-03      | 2,37E-03      | 1,91E-03      |
| 23            | 6,06E-03                   | 4,42E-03     | 4,21E-03      | 2,39E-03      | 1,85E-03      |
| 24            | 5,86E-03                   | 4,37E-03     | 3,82E-03      | 2,18E-03      | 1,70E-03      |
| 25            | 5,15E-03                   | 3,80E-03     | 2,64E-03      | 2,24E-03      | 1,81E-03      |
| 26            | 5,37E-03                   | 4,07E-03     | 2,94E-03      | 1,78E-03      | 1,55E-03      |
| 27            | 5,77E-03                   | 4,27E-03     | 2,41E-03      | 1,68E-03      | 1,69E-03      |
| 28            | 5,24E-03                   | 4,00E-03     | 3,04E-03      | 1,38E-03      | 1,31E-03      |
| 29            | 4,76E-03                   | 4,08E-03     | 2,49E-03      | 1,48E-03      | 1,15E-03      |
| 30            | 4,39E-03                   | 3,86E-03     | 2,55E-03      | 1,40E-03      | 9,95E-04      |
| 31            | 4,45E-03                   | 4,18E-03     | 1,86E-03      | 1,35E-03      | 6,59E-04      |
| 32            | 4,30E-03                   | 3,09E-03     | 1,74E-03      | 1,34E-03      | 6,58E-04      |
| 33            | 3,81E-03                   | 3,29E-03     | 1,71E-03      | 9,93E-04      | 8,18E-04      |
| 34            | 3,72E-03                   | 2,34E-03     | 1,51E-03      | 9,68E-04      | 8,50E-04      |
| 35            | 3,57E-03                   | 2,93E-03     | 1,40E-03      | 8,46E-04      | 8,24E-04      |
| 36            | 3,27E-03                   | 2,54E-03     | 1,68E-03      | 6,48E-04      | 4,69E-04      |
| 37            | 3,21E-03                   | 2,13E-03     | 8,18E-04      | 5,65E-04      | 4,00E-04      |
| 38            | 2,80E-03                   | 2,42E-03     | 8,07E-04      | 4,97E-04      | 3,60E-04      |
| 39            | 3,25E-03                   | 2,06E-03     | 7,25E-04      | 6,21E-04      | 3,34E-04      |
| 40            | 2,89E-03                   | 1,82E-03     | 6,27E-04      | 6,07E-04      | 2,16E-04      |
| 41            | 2,91E-03                   | 1,77E-03     | 1,17E-03      | 3,00E-04      | 3,76E-04      |
| 42            | 2,18E-03                   | 1,60E-03     | 5,85E-04      | 4,05E-04      | 1,60E-04      |
| 43            | 2,24E-03                   | 1,26E-03     | 5,39E-04      | 3,30E-04      | 1,77E-04      |
| 44            | 2,02E-03                   | 1,02E-03     | 6,85E-04      | 2,14E-04      | 1,56E-04      |
| 45            | 1,54E-03                   | 9,50E-04     | 6,79E-04      | 2,12E-04      | 1,23E-04      |
| 46            | 1,58E-03                   | 1,06E-03     | 6,26E-04      | 1,76E-04      | 1,38E-04      |
| 47            | 1,70E-03                   | 9,65E-04     | 2,24E-04      | 1,69E-04      | 5,46E-05      |
| 48            | 1,70E-03                   | 8,02E-04     | 3,38E-04      | 1,30E-05      | 9,62E-05      |
| 49            | 1,18E-03                   | 5,32E-04     | 1,13E-04      | 0,00E+00      | 5,05E-05      |
| 50            | 1,06E-03                   | 4,24E-04     | 3,02E-04      | 9,10E-06      | 7,10E-05      |
| 51            | 9,58E-04                   | 5,93E-04     | 3,53E-04      | 5,84E-05      | 2,90E-05      |
| 52            | 9,05E-04                   | 4,57E-04     | 2,82E-04      | 4,48E-05      | 5,06E-05      |
| 53            | 9,83E-04                   | 3,71E-04     | 1,16E-04      | 4,37E-05      | 3,96E-05      |
| 54            | 1,17E-03                   | 4,91E-04     | 2,84E-04      | 0,00E+00      | 2,43E-05      |
| 55            | 1,32E-03                   | 3,62E-04     | 5,13E-05      | 0,00E+00      | 2,71E-05      |
| 56            | 7,97E-04                   | 3,26E-04     | 1,77E-05      | 8,00E-06      | 2,00E-05      |
| 57            | 8,84E-05                   | 1,23E-05     | 0,00E+00      | 2,73E-05      | 2,67E-05      |
| 58            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 1,57E-05      |
| 59            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 6,30E-06      |
| 60            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 1,49E-05      |
| 61            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 9,50E-06      |
| 62            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 1,99E-05      |
| 63            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 6,40E-06      |
| 64            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 65            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 66            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 67            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 68            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 69            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 70            | 0,00E+00                   | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |

<sup>208</sup>Pb(p,α) Energie incidente 62,9 MeV

| Energie (MeV) | d <sup>2</sup> σ/dΩdE (mb) |              |              |              |              |              |
|---------------|----------------------------|--------------|--------------|--------------|--------------|--------------|
|               | Angle (°) 25               | Angle (°) 35 | Angle (°) 45 | Angle (°) 55 | Angle (°) 65 | Angle (°) 75 |
| 1             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 2             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 3             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 4             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 5             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 6             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 7             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 8             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 9             | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 10            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 11            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |
| 12            | 0,00E+00                   | 0,00E+00     | 0,00E+00     | 0,00E+00     | 3,16E-05     | 0,00E+00     |
| 13            | 0,00E+00                   | 1,11E-03     | 0,00E+00     | 0,00E+00     | 2,78E-03     | 2,44E-03     |
| 14            | 2,89E-03                   | 6,32E-03     | 4,46E-04     | 5,74E-04     | 1,22E-02     | 9,78E-03     |
| 15            | 2,79E-02                   | 2,56E-02     | 1,71E-02     | 1,51E-02     | 1,73E-02     | 1,60E-02     |
| 16            | 3,07E-02                   | 3,11E-02     | 2,80E-02     | 2,49E-02     | 3,07E-02     | 2,85E-02     |
| 17            | 4,11E-02                   | 4,59E-02     | 4,84E-02     | 4,31E-02     | 5,03E-02     | 4,88E-02     |
| 18            | 6,89E-02                   | 6,93E-02     | 8,36E-02     | 7,49E-02     | 7,56E-02     | 6,77E-02     |
| 19            | 1,08E-01                   | 1,04E-01     | 1,18E-01     | 1,12E-01     | 9,80E-02     | 8,95E-02     |
| 20            | 1,47E-01                   | 1,44E-01     | 1,58E-01     | 1,39E-01     | 1,16E-01     | 9,93E-02     |
| 21            | 1,93E-01                   | 1,80E-01     | 1,94E-01     | 1,61E-01     | 1,27E-01     | 1,06E-01     |
| 22            | 2,29E-01                   | 2,06E-01     | 2,10E-01     | 1,79E-01     | 1,33E-01     | 1,09E-01     |
| 23            | 2,54E-01                   | 2,29E-01     | 2,31E-01     | 1,93E-01     | 1,40E-01     | 1,11E-01     |
| 24            | 2,85E-01                   | 2,45E-01     | 2,50E-01     | 1,99E-01     | 1,42E-01     | 1,10E-01     |
| 25            | 2,90E-01                   | 2,60E-01     | 2,51E-01     | 1,99E-01     | 1,44E-01     | 1,09E-01     |
| 26            | 3,00E-01                   | 2,57E-01     | 2,49E-01     | 1,97E-01     | 1,39E-01     | 1,04E-01     |
| 27            | 2,98E-01                   | 2,54E-01     | 2,13E-01     | 1,71E-01     | 1,33E-01     | 9,88E-02     |
| 28            | 2,95E-01                   | 2,47E-01     | 2,53E-01     | 1,96E-01     | 1,26E-01     | 9,38E-02     |
| 29            | 2,87E-01                   | 2,37E-01     | 2,24E-01     | 1,77E-01     | 1,20E-01     | 8,58E-02     |
| 30            | 2,72E-01                   | 2,32E-01     | 2,08E-01     | 1,62E-01     | 1,11E-01     | 7,91E-02     |
| 31            | 2,69E-01                   | 2,23E-01     | 1,97E-01     | 1,48E-01     | 1,01E-01     | 7,48E-02     |
| 32            | 2,59E-01                   | 2,14E-01     | 1,76E-01     | 1,34E-01     | 9,56E-02     | 6,86E-02     |
| 33            | 2,46E-01                   | 2,00E-01     | 1,62E-01     | 1,18E-01     | 8,71E-02     | 6,13E-02     |
| 34            | 2,39E-01                   | 1,94E-01     | 1,49E-01     | 1,06E-01     | 7,90E-02     | 5,53E-02     |
| 35            | 2,15E-01                   | 1,74E-01     | 1,22E-01     | 9,23E-02     | 8,44E-02     | 5,68E-02     |
| 36            | 1,75E-01                   | 1,43E-01     | 1,16E-01     | 8,24E-02     | 7,50E-02     | 4,96E-02     |
| 37            | 1,71E-01                   | 1,36E-01     | 1,04E-01     | 7,37E-02     | 5,42E-02     | 3,76E-02     |
| 38            | 1,63E-01                   | 1,29E-01     | 9,98E-02     | 6,58E-02     | 4,81E-02     | 3,16E-02     |
| 39            | 1,46E-01                   | 1,19E-01     | 9,00E-02     | 5,70E-02     | 3,97E-02     | 2,65E-02     |
| 40            | 1,37E-01                   | 1,04E-01     | 7,65E-02     | 5,09E-02     | 3,59E-02     | 2,31E-02     |
| 41            | 1,26E-01                   | 9,60E-02     | 6,87E-02     | 4,52E-02     | 3,23E-02     | 1,93E-02     |
| 42            | 1,21E-01                   | 8,99E-02     | 6,20E-02     | 4,11E-02     | 2,63E-02     | 1,75E-02     |
| 43            | 1,08E-01                   | 8,09E-02     | 5,59E-02     | 3,65E-02     | 2,36E-02     | 1,38E-02     |
| 44            | 9,92E-02                   | 7,40E-02     | 5,10E-02     | 3,27E-02     | 2,24E-02     | 1,25E-02     |
| 45            | 8,99E-02                   | 6,77E-02     | 4,42E-02     | 2,90E-02     | 1,75E-02     | 1,10E-02     |
| 46            | 8,74E-02                   | 6,01E-02     | 4,15E-02     | 2,57E-02     | 1,60E-02     | 9,90E-03     |
| 47            | 7,94E-02                   | 5,75E-02     | 3,77E-02     | 2,31E-02     | 1,39E-02     | 8,51E-03     |
| 48            | 7,16E-02                   | 4,91E-02     | 3,11E-02     | 2,05E-02     | 1,29E-02     | 7,25E-03     |
| 49            | 6,79E-02                   | 4,61E-02     | 3,10E-02     | 1,85E-02     | 1,15E-02     | 6,39E-03     |
| 50            | 6,09E-02                   | 4,19E-02     | 2,69E-02     | 1,73E-02     | 9,94E-03     | 5,81E-03     |
| 51            | 5,64E-02                   | 3,91E-02     | 2,70E-02     | 1,42E-02     | 7,83E-03     | 4,65E-03     |
| 52            | 5,35E-02                   | 3,63E-02     | 2,61E-02     | 1,35E-02     | 7,51E-03     | 4,29E-03     |
| 53            | 4,77E-02                   | 3,21E-02     | 2,16E-02     | 1,24E-02     | 6,69E-03     | 4,02E-03     |
| 54            | 4,58E-02                   | 2,94E-02     | 1,67E-02     | 1,04E-02     | 5,70E-03     | 3,45E-03     |
| 55            | 4,33E-02                   | 2,80E-02     | 1,80E-02     | 9,24E-03     | 5,34E-03     | 2,79E-03     |
| 56            | 3,93E-02                   | 2,48E-02     | 1,38E-02     | 8,14E-03     | 4,36E-03     | 2,69E-03     |
| 57            | 3,85E-02                   | 2,47E-02     | 1,34E-02     | 7,54E-03     | 3,95E-03     | 2,25E-03     |
| 58            | 3,44E-02                   | 2,23E-02     | 1,34E-02     | 6,61E-03     | 3,42E-03     | 1,79E-03     |
| 59            | 3,51E-02                   | 2,00E-02     | 1,26E-02     | 5,68E-03     | 3,73E-03     | 1,69E-03     |
| 60            | 3,24E-02                   | 1,93E-02     | 1,13E-02     | 5,34E-03     | 3,11E-03     | 1,56E-03     |
| 61            | 2,92E-02                   | 1,64E-02     | 9,84E-03     | 4,59E-03     | 2,59E-03     | 1,27E-03     |
| 62            | 2,80E-02                   | 1,24E-02     | 8,39E-03     | 4,04E-03     | 2,01E-03     | 1,35E-03     |
| 63            | 2,67E-02                   | 1,08E-02     | 7,31E-03     | 3,20E-03     | 2,22E-03     | 1,19E-03     |
| 64            | 2,40E-02                   | 1,05E-02     | 6,21E-03     | 3,60E-03     | 2,08E-03     | 6,59E-04     |
| 65            | 2,47E-02                   | 1,08E-02     | 7,63E-03     | 3,90E-03     | 1,57E-03     | 8,10E-04     |
| 66            | 2,45E-02                   | 9,21E-03     | 6,36E-03     | 2,64E-03     | 1,48E-03     | 6,45E-04     |
| 67            | 2,04E-02                   | 8,38E-03     | 6,64E-03     | 1,93E-03     | 1,44E-03     | 6,01E-04     |
| 68            | 2,21E-02                   | 7,98E-03     | 4,11E-03     | 1,93E-03     | 1,54E-03     | 5,64E-04     |
| 69            | 2,53E-02                   | 9,27E-03     | 4,87E-03     | 2,09E-03     | 1,38E-03     | 4,06E-04     |
| 70            | 2,37E-02                   | 8,15E-03     | 3,11E-03     | 1,59E-03     | 8,02E-04     | 5,17E-04     |
| 71            | 2,10E-02                   | 4,61E-03     | 9,76E-04     | 9,13E-04     | 5,18E-04     | 2,25E-04     |
| 72            | 1,41E-02                   | 2,59E-03     | 7,89E-04     | 4,55E-04     | 0,00E+00     | 0,00E+00     |
| 73            | 5,97E-03                   | 1,10E-03     | 3,16E-04     | 2,75E-04     | 0,00E+00     | 0,00E+00     |
| 74            | 1,90E-03                   | 6,72E-04     | 2,02E-04     | 2,38E-04     | 0,00E+00     | 0,00E+00     |
| 75            | 6,24E-04                   | 8,62E-05     | 0,00E+00     | 0,00E+00     | 0,00E+00     | 0,00E+00     |

$^{208}\text{Pb}(p,\alpha\alpha)$  Energie incidente 62,9 MeV

| Energie (MeV) | $d^2\sigma/d\Omega dE$ (mb) |              |               |               |               |
|---------------|-----------------------------|--------------|---------------|---------------|---------------|
|               | Angle (°) 85                | Angle (°) 95 | Angle (°) 115 | Angle (°) 135 | Angle (°) 155 |
| 1             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 2             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 3             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 4             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 5             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 6             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 7             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 8             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 9             | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 10            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 11            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 1,23E-03      |
| 12            | 2,61E-04                    | 8,34E-05     | 0,00E+00      | 0,00E+00      | 4,36E-03      |
| 13            | 7,94E-03                    | 5,98E-03     | 0,00E+00      | 1,46E-03      | 9,93E-03      |
| 14            | 1,90E-02                    | 1,37E-02     | 1,71E-04      | 6,94E-03      | 1,98E-02      |
| 15            | 3,28E-02                    | 3,01E-02     | 1,07E-02      | 1,53E-02      | 3,47E-02      |
| 16            | 4,95E-02                    | 4,56E-02     | 2,79E-02      | 2,91E-02      | 5,00E-02      |
| 17            | 7,03E-02                    | 6,14E-02     | 5,78E-02      | 4,72E-02      | 6,19E-02      |
| 18            | 8,66E-02                    | 7,57E-02     | 7,57E-02      | 6,26E-02      | 6,32E-02      |
| 19            | 9,19E-02                    | 8,25E-02     | 8,95E-02      | 6,72E-02      | 5,58E-02      |
| 20            | 9,38E-02                    | 8,51E-02     | 9,04E-02      | 6,10E-02      | 4,73E-02      |
| 21            | 9,43E-02                    | 8,34E-02     | 7,95E-02      | 5,35E-02      | 3,87E-02      |
| 22            | 9,50E-02                    | 8,01E-02     | 6,88E-02      | 4,38E-02      | 3,27E-02      |
| 23            | 9,55E-02                    | 7,41E-02     | 6,31E-02      | 4,00E-02      | 2,85E-02      |
| 24            | 9,26E-02                    | 7,22E-02     | 6,04E-02      | 3,55E-02      | 2,46E-02      |
| 25            | 8,67E-02                    | 6,75E-02     | 4,95E-02      | 3,14E-02      | 2,22E-02      |
| 26            | 8,40E-02                    | 6,28E-02     | 4,61E-02      | 2,73E-02      | 1,89E-02      |
| 27            | 7,41E-02                    | 6,33E-02     | 4,31E-02      | 2,46E-02      | 1,75E-02      |
| 28            | 1,12E-01                    | 5,07E-02     | 3,83E-02      | 2,07E-02      | 1,46E-02      |
| 29            | 7,68E-02                    | 4,31E-02     | 3,51E-02      | 1,57E-02      | 1,23E-02      |
| 30            | 5,79E-02                    | 4,00E-02     | 2,84E-02      | 1,54E-02      | 1,06E-02      |
| 31            | 4,78E-02                    | 3,61E-02     | 2,46E-02      | 1,23E-02      | 8,46E-03      |
| 32            | 3,91E-02                    | 3,20E-02     | 2,16E-02      | 1,21E-02      | 6,77E-03      |
| 33            | 3,45E-02                    | 2,79E-02     | 1,38E-02      | 9,24E-03      | 5,80E-03      |
| 34            | 2,91E-02                    | 2,49E-02     | 1,27E-02      | 8,71E-03      | 4,29E-03      |
| 35            | 2,42E-02                    | 2,06E-02     | 9,24E-03      | 7,22E-03      | 1,46E-03      |
| 36            | 2,29E-02                    | 1,85E-02     | 9,35E-03      | 5,54E-03      | 2,52E-03      |
| 37            | 1,96E-02                    | 1,59E-02     | 7,48E-03      | 4,49E-03      | 3,26E-03      |
| 38            | 1,65E-02                    | 1,30E-02     | 6,04E-03      | 3,97E-03      | 2,69E-03      |
| 39            | 1,67E-02                    | 1,25E-02     | 5,19E-03      | 2,69E-03      | 1,95E-03      |
| 40            | 1,32E-02                    | 9,99E-03     | 4,62E-03      | 2,17E-03      | 1,62E-03      |
| 41            | 1,21E-02                    | 8,80E-03     | 3,86E-03      | 2,09E-03      | 1,38E-03      |
| 42            | 1,11E-02                    | 8,28E-03     | 3,22E-03      | 1,86E-03      | 1,32E-03      |
| 43            | 9,17E-03                    | 6,79E-03     | 2,93E-03      | 1,33E-03      | 8,56E-04      |
| 44            | 8,69E-03                    | 5,39E-03     | 2,28E-03      | 1,12E-03      | 8,37E-04      |
| 45            | 7,39E-03                    | 4,60E-03     | 1,89E-03      | 8,39E-04      | 8,45E-04      |
| 46            | 6,31E-03                    | 4,19E-03     | 1,76E-03      | 6,77E-04      | 6,83E-04      |
| 47            | 5,91E-03                    | 3,81E-03     | 1,40E-03      | 5,42E-04      | 3,89E-04      |
| 48            | 4,67E-03                    | 2,69E-03     | 9,25E-04      | 4,71E-04      | 5,20E-04      |
| 49            | 4,83E-03                    | 2,69E-03     | 8,53E-04      | 4,29E-04      | 4,74E-04      |
| 50            | 4,98E-03                    | 2,37E-03     | 5,54E-04      | 3,42E-04      | 2,45E-04      |
| 51            | 3,49E-03                    | 2,23E-03     | 8,37E-04      | 2,71E-04      | 2,67E-04      |
| 52            | 3,07E-03                    | 1,34E-03     | 6,78E-04      | 2,92E-04      | 2,71E-04      |
| 53            | 2,91E-03                    | 1,33E-03     | 3,32E-04      | 1,61E-04      | 2,26E-04      |
| 54            | 2,43E-03                    | 1,33E-03     | 7,30E-05      | 1,55E-04      | 2,14E-04      |
| 55            | 1,95E-03                    | 9,90E-04     | 2,63E-04      | 8,50E-05      | 1,90E-04      |
| 56            | 1,84E-03                    | 1,11E-03     | 2,22E-04      | 1,29E-04      | 8,11E-05      |
| 57            | 1,67E-03                    | 6,41E-04     | 2,12E-04      | 3,95E-05      | 1,67E-04      |
| 58            | 1,35E-03                    | 6,10E-04     | 1,63E-04      | 7,59E-05      | 1,04E-04      |
| 59            | 1,28E-03                    | 5,34E-04     | 0,00E+00      | 2,79E-05      | 1,31E-04      |
| 60            | 7,17E-04                    | 3,40E-04     | 2,99E-04      | 6,46E-05      | 4,17E-05      |
| 61            | 7,92E-04                    | 2,73E-04     | 4,34E-05      | 1,71E-05      | 8,76E-05      |
| 62            | 7,22E-04                    | 3,19E-04     | 7,09E-05      | 4,30E-06      | 5,32E-05      |
| 63            | 4,74E-04                    | 4,57E-04     | 1,77E-05      | 4,02E-05      | 6,62E-05      |
| 64            | 4,05E-04                    | 2,87E-04     | 1,25E-04      | 0,00E+00      | 5,48E-05      |
| 65            | 3,63E-04                    | 1,91E-04     | 3,66E-05      | 7,90E-06      | 3,18E-05      |
| 66            | 3,89E-04                    | 1,31E-04     | 0,00E+00      | 0,00E+00      | 5,22E-05      |
| 67            | 4,54E-04                    | 7,66E-05     | 3,36E-05      | 6,52E-05      | 4,40E-06      |
| 68            | 1,53E-04                    | 0,00E+00     | 0,00E+00      | 5,40E-06      | 1,62E-05      |
| 69            | 1,36E-04                    | 8,50E-06     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 70            | 1,06E-04                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 2,62E-05      |
| 71            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 1,08E-05      |
| 72            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 6,30E-06      |
| 73            | 0,00E+00                    | 2,73E-05     | 0,00E+00      | 0,00E+00      | 1,19E-05      |
| 74            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 0,00E+00      |
| 75            | 0,00E+00                    | 0,00E+00     | 0,00E+00      | 0,00E+00      | 2,21E-05      |