

**Table 6**  
**Polynomial Coefficients in the Analytic Fit of  $h_E(E)$  for Neutrons<sup>a</sup>**

| Neutron Energy Bounds          | Coefficients              |              |  |               |               |
|--------------------------------|---------------------------|--------------|--|---------------|---------------|
|                                | $C_0$                     | $C_1$        | $C_2$                                    | $C_3$         | $C_4$         |
| <b>AP Exposure<sup>b</sup></b> |                           |              |  |               |               |
| $E \leq 0.01$ MeV              | 3.430895E+00 <sup>b</sup> | 7.725710E-01 | 9.834081E-02                             | 4.903466E-03  | 8.149667E-05  |
| $E > 0.01$ MeV                 | 4.952167E+00              | 6.644235E-01 | -1.017445E-01                            | -1.496004E-03 | 3.636748E-03  |
| <b>PA Exposure</b>             |                           |              |  |               |               |
| $E \leq 0.2$ MeV               | 3.687778E+00              | 1.240448E+00 | 1.888331E-01                             | 1.164621E-02  | 2.516630E-04  |
| $0.2 < E \leq 1$ MeV           | 3.965468E+00              | 1.012777E+00 | 3.608077E-01                             | -5.689570E-02 | -2.047265E-01 |
| $E > 1$ MeV                    | 3.965468E+00              | 1.078553E+00 | 3.607919E-01                             | -4.288176E-01 | 9.411842E-02  |
| <b>LAT Exposure</b>            |                           |              |  |               |               |
| $E \leq 0.01$ MeV              | 8.677172E-01              | 2.290812E-01 | 2.457221E-02                             | 7.646448E-04  | 0.0           |
| $E > 0.01$ MeV                 | 3.577644E+00              | 1.005248E+00 | <del>4.927422E+00</del><br>-4.227422E-02 | -2.054736E-02 | 4.461858E-04  |
| <b>ROT Exposure</b>            |                           |              |  |               |               |
| $E \leq 0.01$ MeV              | 2.436148E+00              | 6.502219E-01 | 8.819417E-02                             | 4.752092E-03  | 8.782611E-05  |
| $E > 0.01$ MeV                 | 4.216783E+00              | 8.470534E-01 | -6.771566E-02                            | -1.213208E-02 | 1.829400E-03  |

<sup>a</sup>Polynomial coefficients in analytic fit:  $h_E(E) = 10^{-12} \times \exp(C_0 + C_1X + C_2X^2 + C_3X^3 + C_4X^4)$  Sv-cm<sup>2</sup>, E = energy (MeV), and X = ln(E).

<sup>b</sup>If the orientation of the receptor with respect to the radiation field is unknown, AP exposure geometry should be used.

<sup>c</sup>Read as 3.430895 × 10<sup>00</sup>.