

**Table 281:**  $b(E) \times 10^6$  [ $\text{cm}^2\text{g}^{-1}$ ] for  
Standard rock  
 $\langle Z/A \rangle = 0.50000$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 0.4159             | 0.1933            | 0.4473            | 1.0565           |
| 5.      | 0.5639             | 0.4679            | 0.4751            | 1.5070           |
| 10.     | 0.6847             | 0.6925            | 0.4625            | 1.8397           |
| 20.     | 0.8104             | 0.9341            | 0.4425            | 2.1871           |
| 50.     | 0.9788             | 1.2762            | 0.4206            | 2.6756           |
| 100.    | 1.1021             | 1.5155            | 0.4098            | 3.0275           |
| 200.    | 1.2191             | 1.7340            | 0.4045            | 3.3575           |
| 500.    | 1.3552             | 1.9512            | 0.4038            | 3.7102           |
| 1000.   | 1.4409             | 2.0823            | 0.4104            | 3.9336           |
| 2000.   | 1.5113             | 2.1721            | 0.4212            | 4.1046           |
| 5000.   | 1.5801             | 2.2507            | 0.4412            | 4.2720           |
| 10000.  | 1.6161             | 2.2878            | 0.4613            | 4.3652           |
| 20000.  | 1.6417             | 2.3112            | 0.4849            | 4.4378           |
| 50000.  | 1.6619             | 2.3300            | 0.5218            | 4.5137           |
| 100000. | 1.6718             | 2.3378            | 0.5534            | 4.5630           |