

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
selenium (Se),  $Z = 34$ ,  $A = 78.971(8)$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 0.9706             | 0.4448            | 0.3982            | 1.8135           |
| 5.      | 1.3309             | 1.1509            | 0.4251            | 2.9069           |
| 10.     | 1.6237             | 1.7012            | 0.4059            | 3.7308           |
| 20.     | 1.9243             | 2.2511            | 0.3944            | 4.5699           |
| 50.     | 2.3208             | 3.0614            | 0.3826            | 5.7649           |
| 100.    | 2.6055             | 3.6085            | 0.3741            | 6.5881           |
| 200.    | 2.8687             | 4.1031            | 0.3701            | 7.3418           |
| 500.    | 3.1695             | 4.5671            | 0.3700            | 8.1066           |
| 1000.   | 3.3544             | 4.8178            | 0.3759            | 8.5481           |
| 2000.   | 3.5012             | 5.0010            | 0.3853            | 8.8874           |
| 5000.   | 3.6403             | 5.1556            | 0.4025            | 9.1984           |
| 10000.  | 3.7107             | 5.2279            | 0.4197            | 9.3583           |
| 20000.  | 3.7581             | 5.2749            | 0.4396            | 9.4727           |
| 50000.  | 3.7978             | 5.3107            | 0.4708            | 9.5792           |
| 100000. | 3.8159             | 5.3255            | 0.4974            | 9.6388           |