

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
 darmstadtium (Ds),  $Z=110$ ,  $A=[281.165(5)]$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 2.5969             | 0.0288            | 0.3536            | 2.9794           |
| 5.      | 3.6159             | 2.0675            | 0.3775            | 6.0609           |
| 10.     | 4.4493             | 3.6596            | 0.3702            | 8.4791           |
| 20.     | 5.3045             | 5.0920            | 0.3525            | 10.7490          |
| 50.     | 6.4205             | 7.3144            | 0.3427            | 14.0776          |
| 100.    | 7.2109             | 8.7711            | 0.3358            | 16.3177          |
| 200.    | 7.9283             | 10.0530           | 0.3326            | 18.3139          |
| 500.    | 8.7274             | 11.2189           | 0.3328            | 20.2791          |
| 1000.   | 9.2043             | 11.8321           | 0.3379            | 21.3744          |
| 2000.   | 9.5721             | 12.2718           | 0.3460            | 22.1899          |
| 5000.   | 9.9101             | 12.6380           | 0.3606            | 22.9087          |
| 10000.  | 10.0759            | 12.8060           | 0.3752            | 23.2570          |
| 20000.  | 10.1850            | 12.9157           | 0.3921            | 23.4928          |
| 50000.  | 10.2822            | 12.9964           | 0.4186            | 23.6972          |
| 100000. | 10.3140            | 13.0302           | 0.4413            | 23.7855          |