

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
 Nylon (type 6, 6/6) [(CH(CH<sub>2</sub>)<sub>5</sub>NO)<sub>n</sub>]  
 $\langle Z/A \rangle = 0.54790$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 0.2436             | 0.1051            | 0.4759            | 0.8246           |
| 5.      | 0.3305             | 0.2611            | 0.5031            | 1.0947           |
| 10.     | 0.4028             | 0.3977            | 0.4876            | 1.2881           |
| 20.     | 0.4794             | 0.5468            | 0.4647            | 1.4910           |
| 50.     | 0.5843             | 0.7563            | 0.4398            | 1.7805           |
| 100.    | 0.6633             | 0.9051            | 0.4276            | 1.9960           |
| 200.    | 0.7379             | 1.0426            | 0.4214            | 2.2018           |
| 500.    | 0.8268             | 1.1855            | 0.4204            | 2.4327           |
| 1000.   | 0.8842             | 1.2736            | 0.4272            | 2.5851           |
| 2000.   | 0.9321             | 1.3361            | 0.4387            | 2.7068           |
| 5000.   | 0.9802             | 1.3915            | 0.4602            | 2.8319           |
| 10000.  | 1.0061             | 1.4176            | 0.4820            | 2.9057           |
| 20000.  | 1.0243             | 1.4341            | 0.5077            | 2.9661           |
| 50000.  | 1.0402             | 1.4470            | 0.5479            | 3.0351           |
| 100000. | 1.0474             | 1.4523            | 0.5825            | 3.0822           |