

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
 lithium carbonate (Li<sub>2</sub>C-O<sub>3</sub>)  
 $\langle Z/A \rangle = 0.49720$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 0.2639             | 0.1162            | 0.4671            | 0.8472           |
| 5.      | 0.3578             | 0.2864            | 0.4938            | 1.1380           |
| 10.     | 0.4353             | 0.4317            | 0.4791            | 1.3461           |
| 20.     | 0.5168             | 0.5901            | 0.4572            | 1.5641           |
| 50.     | 0.6275             | 0.8128            | 0.4334            | 1.8738           |
| 100.    | 0.7098             | 0.9711            | 0.4219            | 2.1028           |
| 200.    | 0.7882             | 1.1159            | 0.4161            | 2.3202           |
| 500.    | 0.8805             | 1.2649            | 0.4152            | 2.5606           |
| 1000.   | 0.9395             | 1.3562            | 0.4221            | 2.7179           |
| 2000.   | 0.9884             | 1.4204            | 0.4335            | 2.8422           |
| 5000.   | 1.0370             | 1.4770            | 0.4546            | 2.9686           |
| 10000.  | 1.0626             | 1.5038            | 0.4760            | 3.0425           |
| 20000.  | 1.0806             | 1.5207            | 0.5010            | 3.1023           |
| 50000.  | 1.0959             | 1.5341            | 0.5402            | 3.1703           |
| 100000. | 1.1030             | 1.5396            | 0.5739            | 3.2166           |