

$b(E) \times 10^6$  [cm<sup>2</sup>g<sup>-1</sup>] for  
lanthanum bromide (LaBr<sub>3</sub>)  
 $\langle Z/A \rangle = 0.42787$

| E [GeV] | $b_{\text{brems}}$ | $b_{\text{pair}}$ | $b_{\text{nucl}}$ | $b_{\text{tot}}$ |
|---------|--------------------|-------------------|-------------------|------------------|
| 2.      | 1.1798             | 0.4886            | 0.3902            | 2.0586           |
| 5.      | 1.6228             | 1.3639            | 0.4168            | 3.4036           |
| 10.     | 1.9831             | 2.0442            | 0.4015            | 4.4288           |
| 20.     | 2.3528             | 2.7105            | 0.3910            | 5.4543           |
| 50.     | 2.8391             | 3.7004            | 0.3758            | 6.9154           |
| 100.    | 3.1872             | 4.3644            | 0.3677            | 7.9192           |
| 200.    | 3.5078             | 4.9612            | 0.3637            | 8.8327           |
| 500.    | 3.8721             | 5.5169            | 0.3638            | 9.7527           |
| 1000.   | 4.0946             | 5.8153            | 0.3695            | 10.2794          |
| 2000.   | 4.2702             | 6.0326            | 0.3786            | 10.6814          |
| 5000.   | 4.4356             | 6.2154            | 0.3953            | 11.0463          |
| 10000.  | 4.5187             | 6.3005            | 0.4120            | 11.2312          |
| 20000.  | 4.5744             | 6.3560            | 0.4315            | 11.3619          |
| 50000.  | 4.6208             | 6.3979            | 0.4618            | 11.4805          |
| 100000. | 4.6418             | 6.4154            | 0.4876            | 11.5448          |