**Table 041:** $b(E) \times 10^6$ [$\mathrm{cm}^2\mathrm{g}^{-1}$] for Niobium, $Z = 41$, $A$ =92.90638(2)

| E [GeV] | $b_{\mathrm{brems}}$ | $b_{\mathrm{pair}}$ | $b_{\mathrm{nucl}}$ | $b_{\mathrm{tot}}$ |
|---|---|---|---|---|
| 2. | 1.1792 | 0.5132 | 0.3920 | 2.0844 |
| 5. | 1.6197 | 1.3813 | 0.4189 | 3.4199 |
| 10. | 1.9775 | 2.0558 | 0.4000 | 4.4333 |
| 20. | 2.3448 | 2.7202 | 0.3890 | 5.4540 |
| 50. | 2.8279 | 3.7049 | 0.3777 | 6.9104 |
| 100. | 3.1739 | 4.3663 | 0.3694 | 7.9096 |
| 200. | 3.4928 | 4.9617 | 0.3654 | 8.8200 |
| 500. | 3.8558 | 5.5169 | 0.3654 | 9.7381 |
| 1000. | 4.0779 | 5.8155 | 0.3712 | 10.2646 |
| 2000. | 4.2533 | 6.0331 | 0.3803 | 10.6667 |
| 5000. | 4.4188 | 6.2162 | 0.3971 | 11.0322 |
| 10000. | 4.5021 | 6.3016 | 0.4140 | 11.2177 |
| 20000. | 4.5580 | 6.3572 | 0.4335 | 11.3488 |
| 50000. | 4.6046 | 6.3994 | 0.4640 | 11.4680 |
| 100000. | 4.6258 | 6.4170 | 0.4900 | 11.5327 |